

# SERVICE MANUAL



## STEREO MUSIC SYSTEM

JXT 6910K  
JXT 6910K-5



JXT-6910K

### SPECIFICATIONS

#### Radio Section

Frequency range FM: 87.5 – 108MHz  
AM: 530 – 1605kHz

Intermediate frequency FM: 10.7MHz

AM: 455kHz

Sensitivity FM: 2.8 $\mu$ V

AM: 250 $\mu$ V/m

#### Record Changer Section

Type Fully automatic record changer  
Speed 33-1/3, 45 r.p.m.  
Cartridge and stylus Cartridge: Stereo magnetic cartridge (MG-31J)  
Stylus: Diamond stylus (ST-31J)

Turntable 11"(diameter)

#### Cassette Deck Section

Recording system AC bias, 4 tracks stereo  
Erasing system AC erase  
Tape speed 4.75 cm/sec (1-7/8" i.p.s.)  
Signal to noise ratio 62dB (Dolby switch ON)  
54dB (Dolby switch OFF)  
Frequency response 50 – 14,000Hz (CrO<sub>2</sub> tape)  
50 – 13,000Hz (Standard tape)

#### 8-Track Deck Section

Recording system AC bias, 8 tracks stereo  
Erasing system AC erase

Tape speed 9.5 cm/sec (3-3/4" i.p.s.)

Signal to noise ratio 50dB

Frequency response 50 – 10,000Hz

#### Speaker Section (JXT 6910K only)

Speaker Woofer: 20 cm (8")  
Tweeter: 6.5 cm (2-1/2")  
Impedance 8 ohms

#### General

Output power 12W RMS per channel into 8 ohms at 1% T.H.D.  
Terminal impedance MIC: 1k ohms (0.3mV)  
AUX: 50k ohms (100mV)  
REC OUT: 1k ohms (300mV)  
SPEAKERS: 8 ohms  
PHONES: 8 ohms to 10k ohms (30mV)

Power source AC: 120/200/220/240V, 50/60Hz

Power consumption 55W

Dimensions Main unit: 575(W) x 405(D) x 275(H) mm

22-3/4" x 16" x 10-7/8"

Speaker box: 300(W) x 200(D) x 530(H)

11-7/8" x 8" x 21"

(JXT 6910K only)

Weight Main unit: Approx. 13.5kg (29 lbs. 12 ozs.)

Speaker box: Approx. 5kg (11 lbs.) x 2  
(JXT 6910K only)

\* Specifications subject to change without notice.

## HOW TO REMOVE THE SET

1. Remove screws 223 (WH 3 x 8) from case (45), and the case can be easily detached. (See Fig. 1.)
2. Put a hand into the case hole as illustrated and arrange the turntable screws and stoppers as shown in sketches 1 and 2. (See Fig. 2.)
3. Remove the turntable in this way: raise it in the direction of arrow (1), slide along arrow (2), lift in the direction of arrow (3), and take out RCA pin (121), output plug and power socket (120) from the turntable, then the turntable can be drawn out free. (See Fig. 3.)
4. Turn over the set, remove two screws 227 (WH 3 x 20) which are fixing cabinet (3) and bottom lid (83) together, and, holding bracket stand (84), push up the back cover to remove it. (See Fig. 4.)
5. When the back cover is opened, almost the entire face and back of the printed circuit board will be disclosed and visible enough for repairing and checking service. But a wider view can be obtained by removing the cabinet, of which procedure is described below. (See Fig. 5.)

Take out screws which are fixing the printed circuit boards and chassis to the cabinet. Then the cabinet can be separated, but be careful not to break the lead wires which are still connected.

This permits much easier repairing and checking of printed circuit boards.

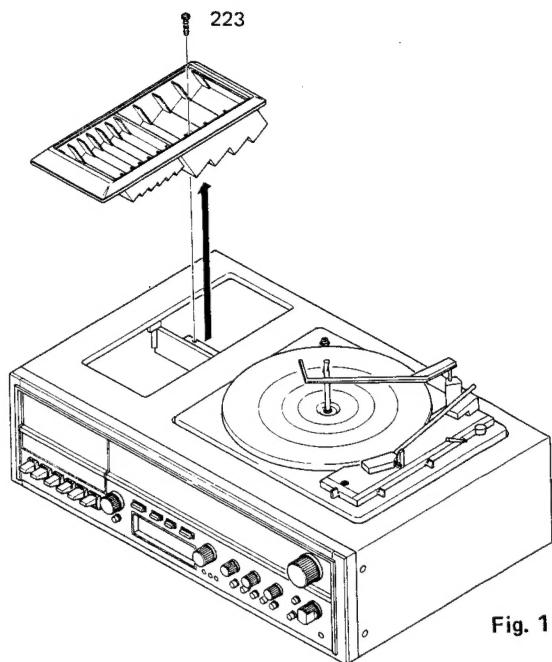


Fig. 1

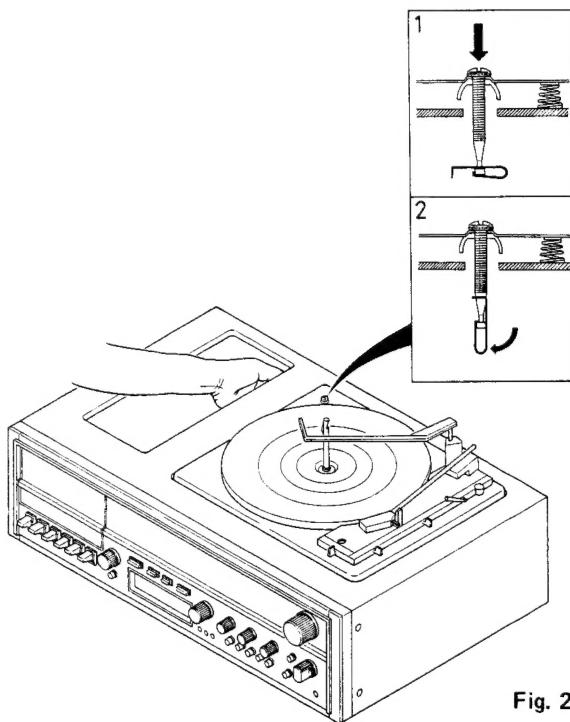


Fig. 2

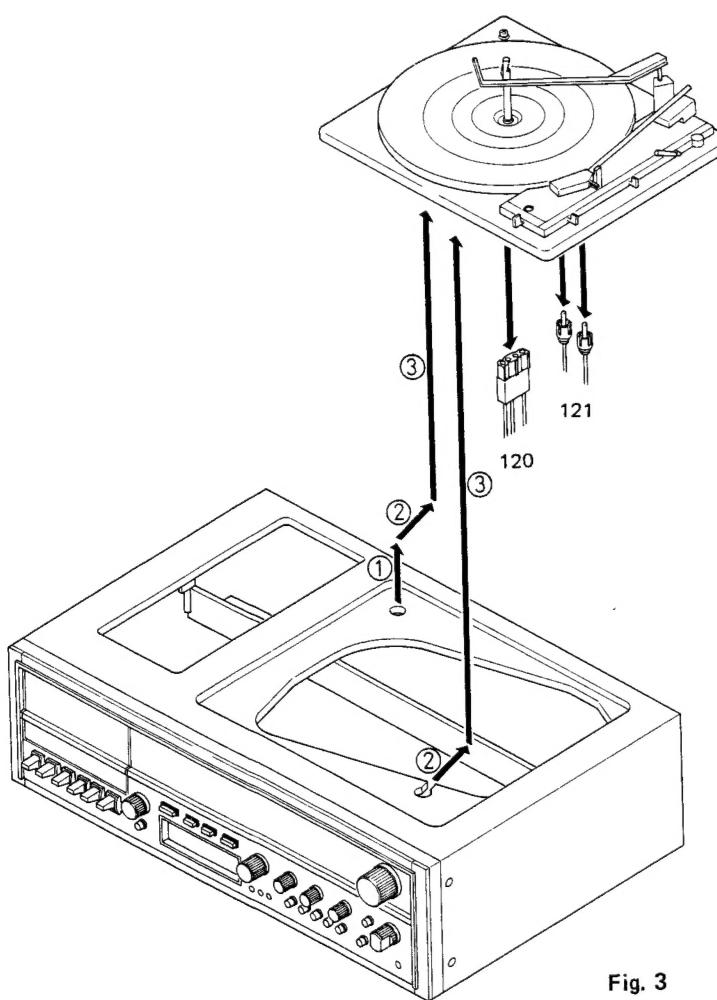


Fig. 3

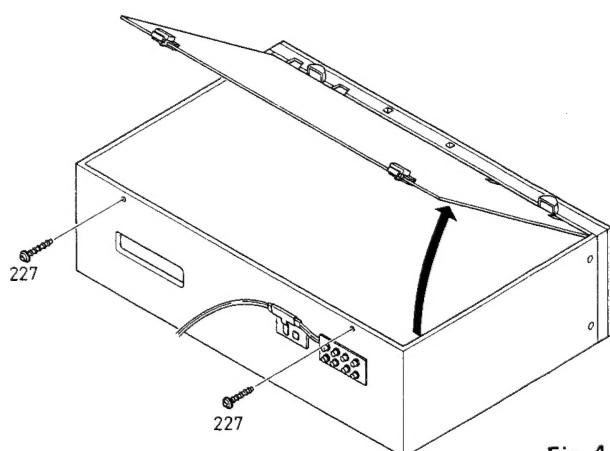


Fig. 4

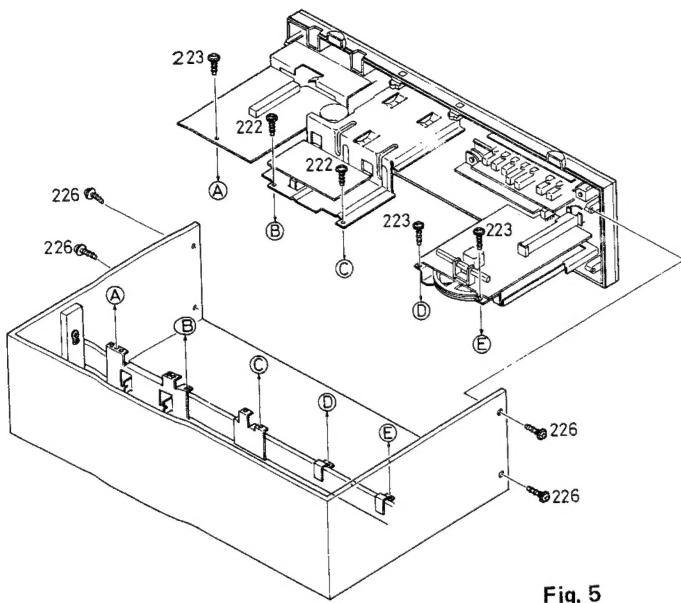


Fig. 5

## TORQUE ADJUSTMENT

1. Set the unit into the PLAY, FAST FORWARD or REWIND mode.
2. Measure the each torque with a torque gauge. They should be as following:

PLAY	30 – 60 gr/cm
FAST FORWARD	55 – 95 gr/cm
REWIND	60 – 100 gr/cm

3. If the each torque fails to reach the standard value. Clean the drive belt, flywheel, motor pulley, take-up reel, take-up pulley, idler and rewind roller with a cotton swab soaked in alcohol.

## TUNER ADJUSTMENT

### CENTER METER ADJUSTMENT

The DL pointer of the set selects a frequency which is completely free from undesired waves in the adjacent frequencies as well as in that frequency.

If the FM front end is not adjusted yet, first adjust it, and then adjust the meter.

- (1) With the FM SG output at OFF (less than  $-20 \text{ dB}\mu$ ), adjust T202 until the meter reads zero.
- (2) Tuning in with the FM SG output at  $72 \text{ dB}\mu$  (using 300-ohm dummy resistor), adjust T203 until the distortion becomes minimum (while the center meter is registering zero).
- (3) Turn off the FM SG output to check if the center meter is deviated; if deviated, adjust item (1) again.
- (4) Then adjust item (2) repeatedly until the center meter zero reading always coincides with the minimum distortion by turning on and off the FM SG output.
- (5) Tuning the set by turning on the FM SG output, move the core of T201 slightly (less than  $\pm 1/8$  revolution) until the distortion is minimized.
- (6) Repeat steps (1) through (5) to cause the center meter zero reading to coincide with the minimum distortion.

**NOTE:** Unless the T201 is correctly adjusted, the distortion may be unusually good or bad.

This center meter adjustment should be done after satisfactory adjustment of IF V-curve.

When the T201 is adjusted so as to maximize the signal meter with the FM SG output at  $72 \text{ dB}\mu$ , the V-curve will nearly show its correctly adjusted form.

During this adjustment, keep the set in normal posture (if the set is erected upright or inclined, the pointer may deviate.)

### SIGNAL METER ADJUSTMENT

With the FM SG output at higher than  $120 \text{ dB}\mu$ , adjust SVR201 until the meter reads within 4.6 to 4.7.

Keep the set in normal posture during this adjustment.

### VCO ADJUSTMENT

Since the VCO is not stabilized due to random noise effect while the FM SG is in no-signal condition, apply RF signal to the set to an extent not causing noise (more than  $40 \text{ dB}\mu$ ) to be in unmodulated state, and turn SVR301 to adjust to  $19.00 \pm 0.02 \text{ kHz}$ .

## W ALIGNMENT

Step	Adjusting Circuit	Connections		SG frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	I.F.	Connect sweep generator to or TP-104 (H) & TP-103 (E)	Connect oscilloscope to test point TP21 (H) & TP22 (E)	Sweep Generator	Near max. capacity of VC. at position with unrequired signal.	T201	Match wave form with center of ceramic filter
2	Ratio Det.		Connect oscilloscope to test point TP31 (H) & TP32 (E)			T202	<del>Match wave form with center of ceramic filter</del>
3	O.S.C.	Connect FM SG. to TP-101 (H) & TP-102 (E)	Connect VTVM to TP703 or TP704 (H) & TP705 (E)	88.0 MHz (400 Hz 30% modulation)	88.0 MHz on dial scale	L105	Max.
4				108.0 MHz (400 Hz 30% modulation)	108.0 MHz on dial scale	CT2	
5	ANT.	Connect FM SG. to TP-101 (H) & TP-102 (E)	Connect VTVM to TP703 or TP704 (H) & TP705 (E)	90.0 MHz (400 Hz 30% modulation)	90.0 MHz on dial scale	L103	Max.
6				106.0 MHz (400 Hz 30% modulation)	106.0 MHz on dial scale	CT1	
7	Repeat adjustments						

PREPARE:

- Set the dial pointer to very left line of dial scale.
- Connect sweep generator, FM SG, VTVM and oscilloscope. FM ANT input impedance is 300 ohm.
- Use a screwdriver with plastic grip for all adjustments.
- TP-3 --- R212 (270 ohms terminal) TP-4 --- R217 (1k ohm terminal)

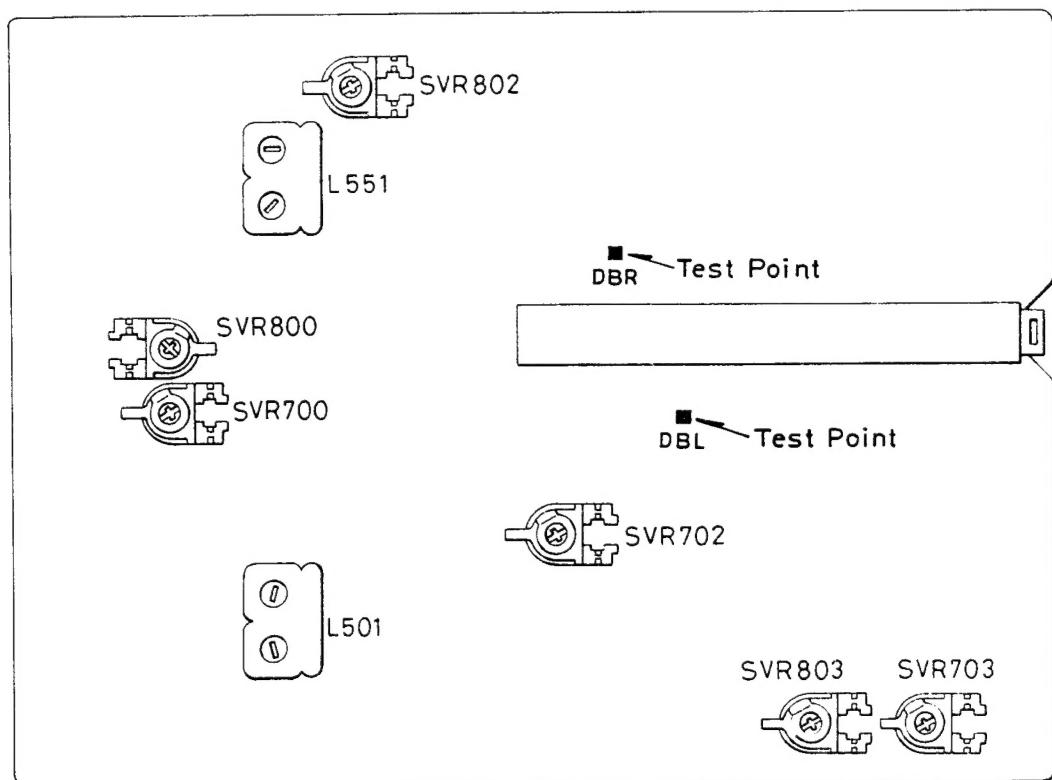
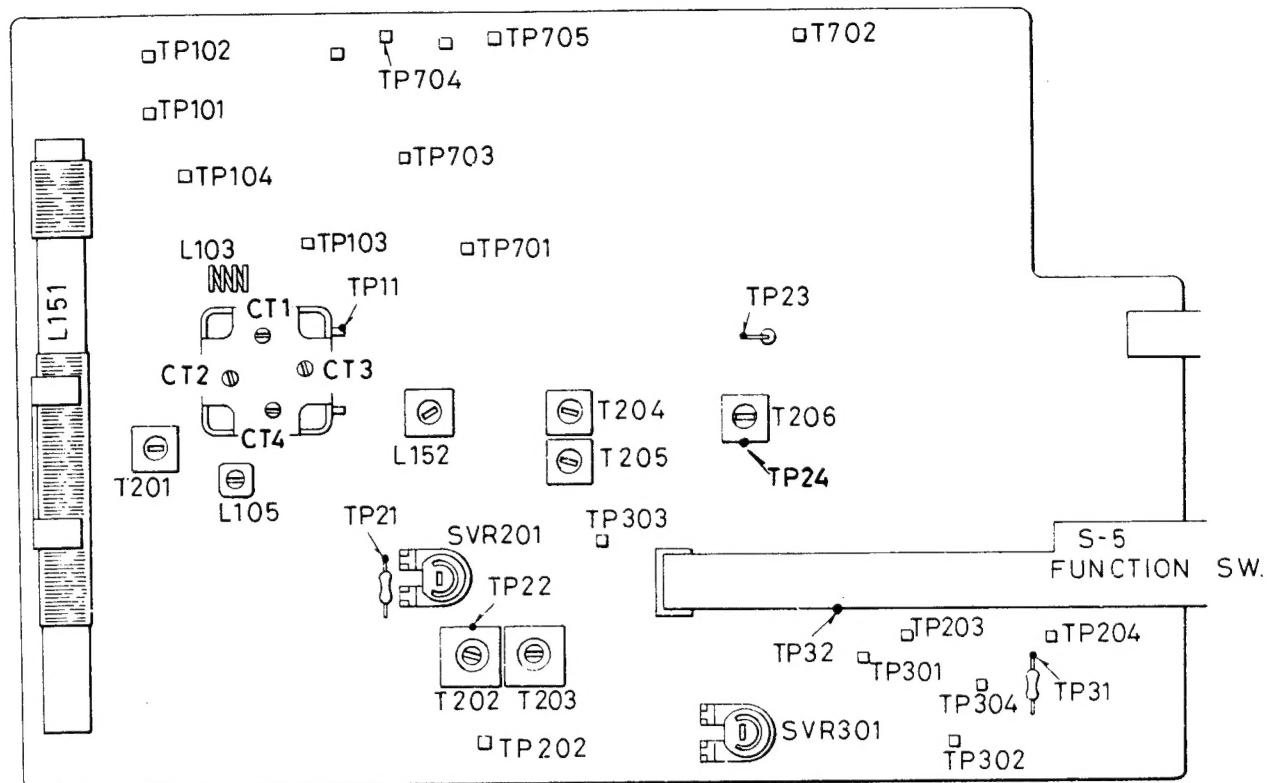
## AM ALIGNMENT

Step	Adjusting Circuit	Connections		SG frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	I.F.T.	Connect sweep generator to Test Loop	Connect oscilloscope to TP23 (H) & TP24 (E)	Sweep Generator	Low end of dial scale. At position of unrequired signal.	T204, T205 T206	Max.
2	O.S.C.	Connect AM SG to Test Loop.	Connect VTVM to TP23 (H) & TP24 (E)		Low end of dial scale	L152	
3				1670 KHz (400 Hz 30% modulation)	High end of dial scale	CT4	Max.
4	ANT.	Connect AM SG to Test Loop.	Connect VTVM to TP23 (H) & TP24 (E)	600 KHz (400 Hz 30% modulation)	600 KHz on dial scale	L151	
5				1400 KHz (400 Hz 30% modulation)	1400 KHz on dial scale	CT3	
6	Repeat adjustments.						

PREPARE:

- Set the dial pointer to very left line on dial scale.
- Use a screwdriver with plastic grip for all adjustments.
- Selector switch to "AM".
- Connect sweep generator, AM SG, VTUM and oscilloscope.

PARTS LOCATION



## CASSETTE ADJUSTMENTS

ITEM	TEST TAPE	INPUT TERMINAL	DOLBY SW	TAPE SELECT SW	ADJUSTMENT METHOD
R/P Head Azimuth	VTT-657	R/P Head	OFF	NORMAL	Adjust so that output level of L-ch and R-ch be maximum. Measure at test point output.
Playback Gain	MTT-150 DOLBY TAPE	R/P Head	OFF	NORMAL	Adjust SVR 700, 800 until output of test points (TP-H, -E) becomes $580 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch.
REC/PLAY Frequency Characteristics	NORMAL TAPE	AUX -6 dB ↓ -26 dB	OFF	NORMAL	Impress input of 400 Hz (-6 dB) into AUX, set in REC mode. Adjust REC level control until test point output at this time becomes $580 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch. Next, set the input signal to -26 dB, record and play back signals of 1 kHz and 8 kHz. Adjust SVR 703, 803, so that output of 8 kHz be 0 to +1 dB provided that of 1 kHz is 0 dB.
REC/PLAY Output	NORMAL TAPE	AUX -6 dB	OFF	NORMAL	Adjust REC level control until test point output in REC mode becomes $580 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch. Record and play back. Then adjust SVR 702, 802 until this record/playback output becomes $580 \text{ mV} \pm 1 \text{ dB}$ .

NOTE: Test point outputs are mentioned in the parts layout drawing. Measure at these test points.

## 8-TRACK ADJUSTMENTS

Before adjustment, make sure that the tape head is clean. If it is not, clean the surface of the head with the cotton swab moistened in head cleaner fluid.

Remove the storage case (45) by unfastening the washer head tapping screw (Y25). Then, remove the back lid (5) by unfastening the two washer head tapping screws (Y27).

### HEAD AZIMUTH, CROSSTALK and PLAYBACK OUTPUT

Connect a VTVM to REC OUT located on the back of the unit and set the function knob to the TAPE position.

### HEAD AZIMUTH

Insert a test tape (VTT801) into the player. Turn the head azimuth adjusting screw (Y04) to obtain a maximum output. Repeat the adjustment for both channels.

### CROSSTALK

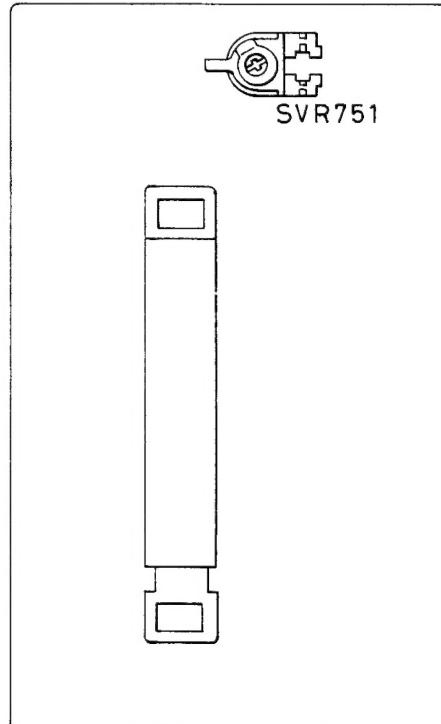
Insert a test tape (VTT801) into the player. Turn the head height adjusting plate nut (21) until the crosstalk discontinues and only one program is audible. Repeat the adjustment for both channels.

\* See the exploded view for the locations of these parts.

### PLAYBACK OUTPUT

Insert a test tape (VTT818) into the player.

Turn SVR751 to obtain equal playback outputs on both right and left channels.



## 8-TRACK SPEED ADJUSTMENT

Preparation:

Tape used — VTT-802 (3 kHz test tape)

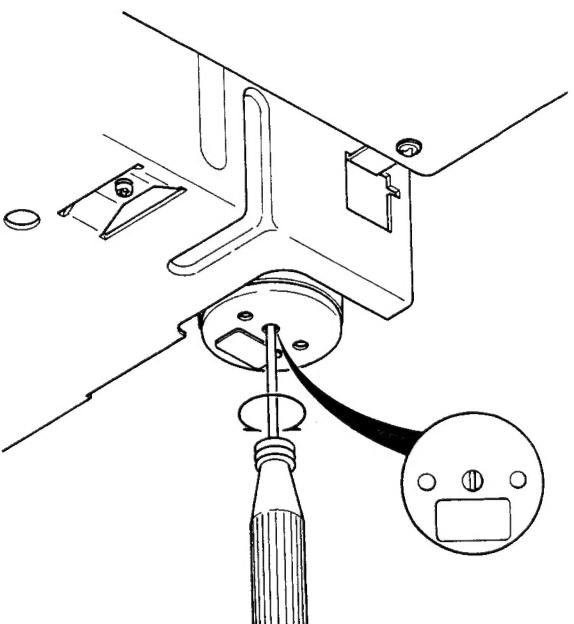
Note: Never use tape wound tight by fast forwarding or rewinding for adjusting purpose.

Connect a counter to the output side.

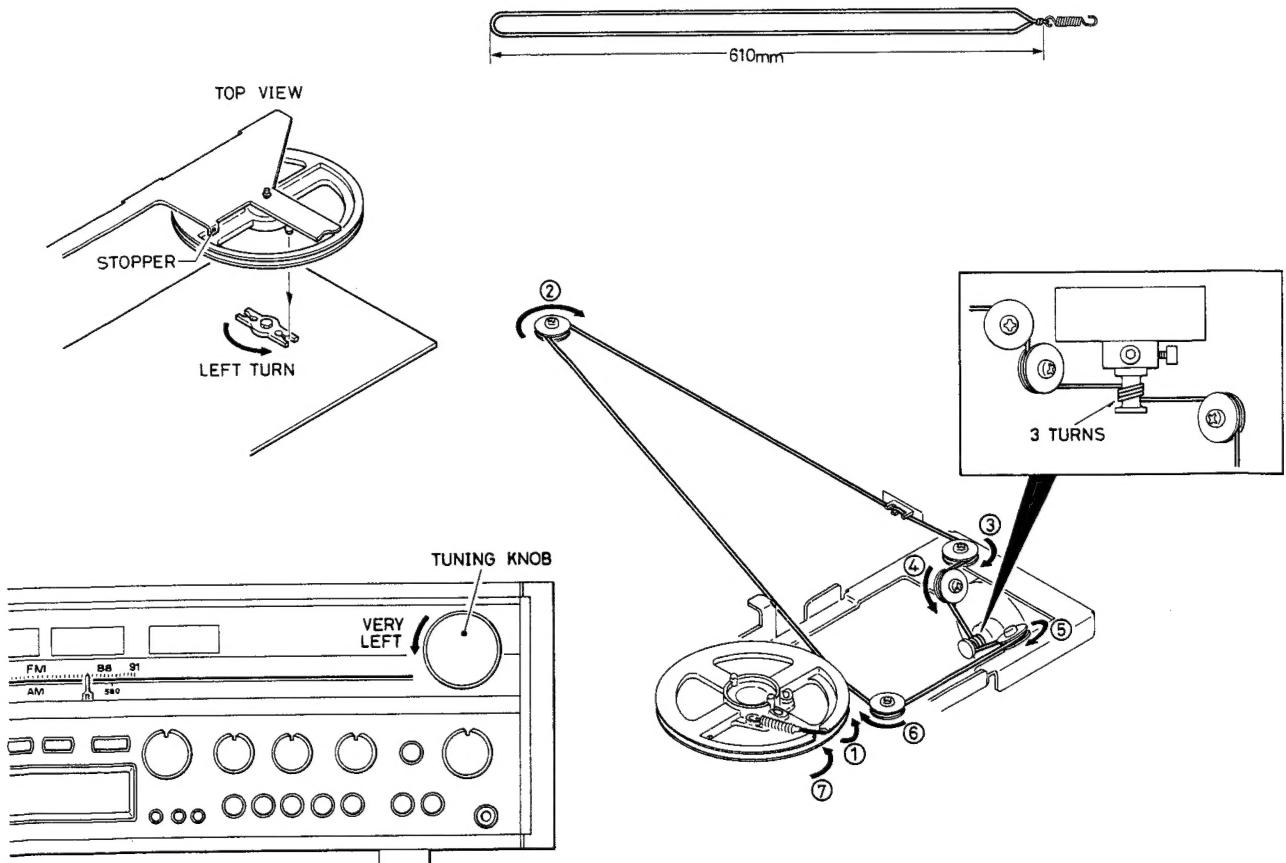
1. Remove bottom lid.
2. Lift the front side of the set and incline to an angle of 30 to 45 degrees.
3. Put a plastic bladed screwdriver into a motor hole, load the set with a tape, and adjust until the tape counter reads 2990 Hz ± 10 Hz.

(Reference)

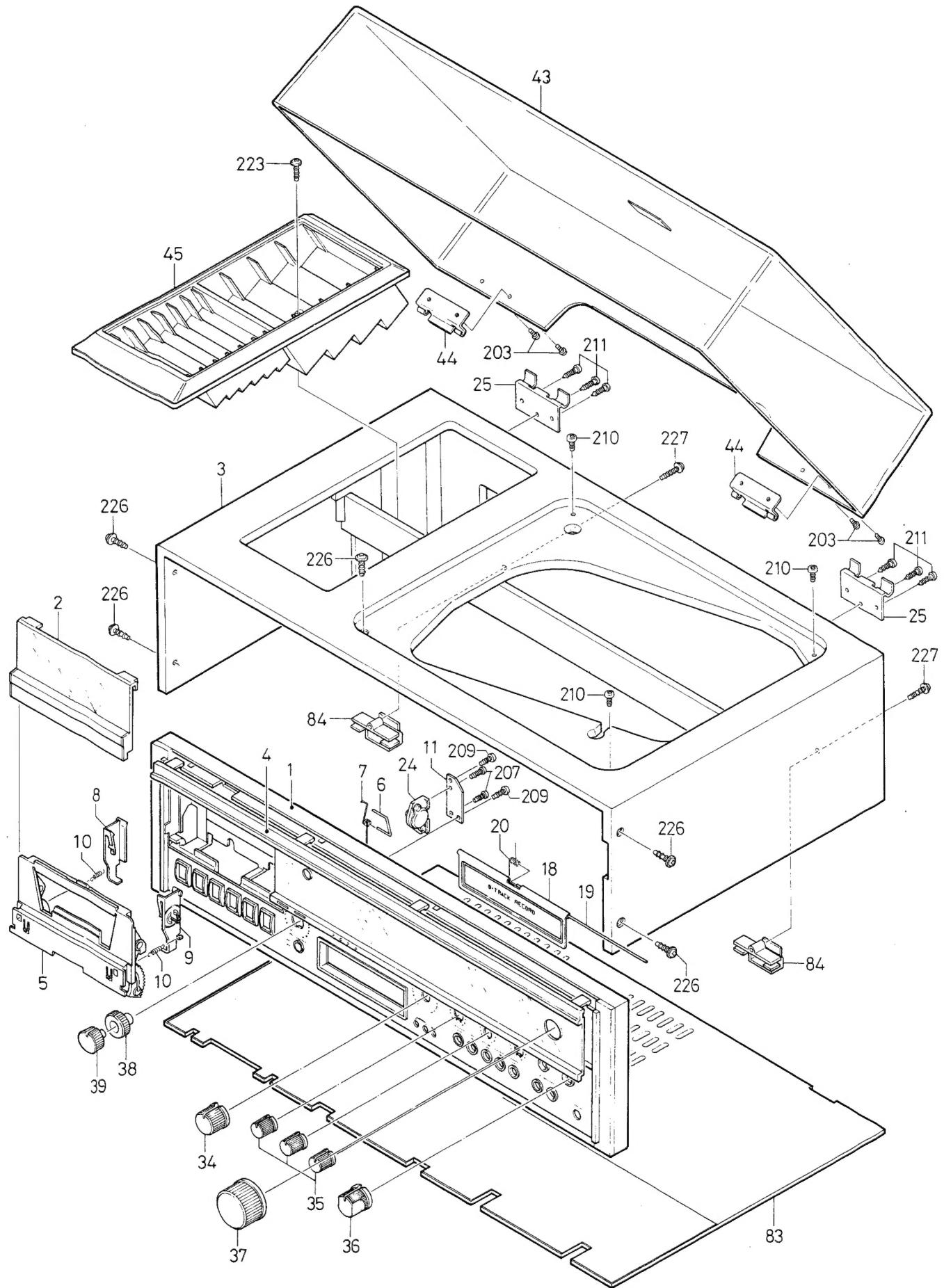
1. Clockwise turning of SVR will quicken the motor speed.
2. The speed will be about 8 to 10 Hz faster when the set is in the horizontal posture than in the 30- to 45-degree inclination.



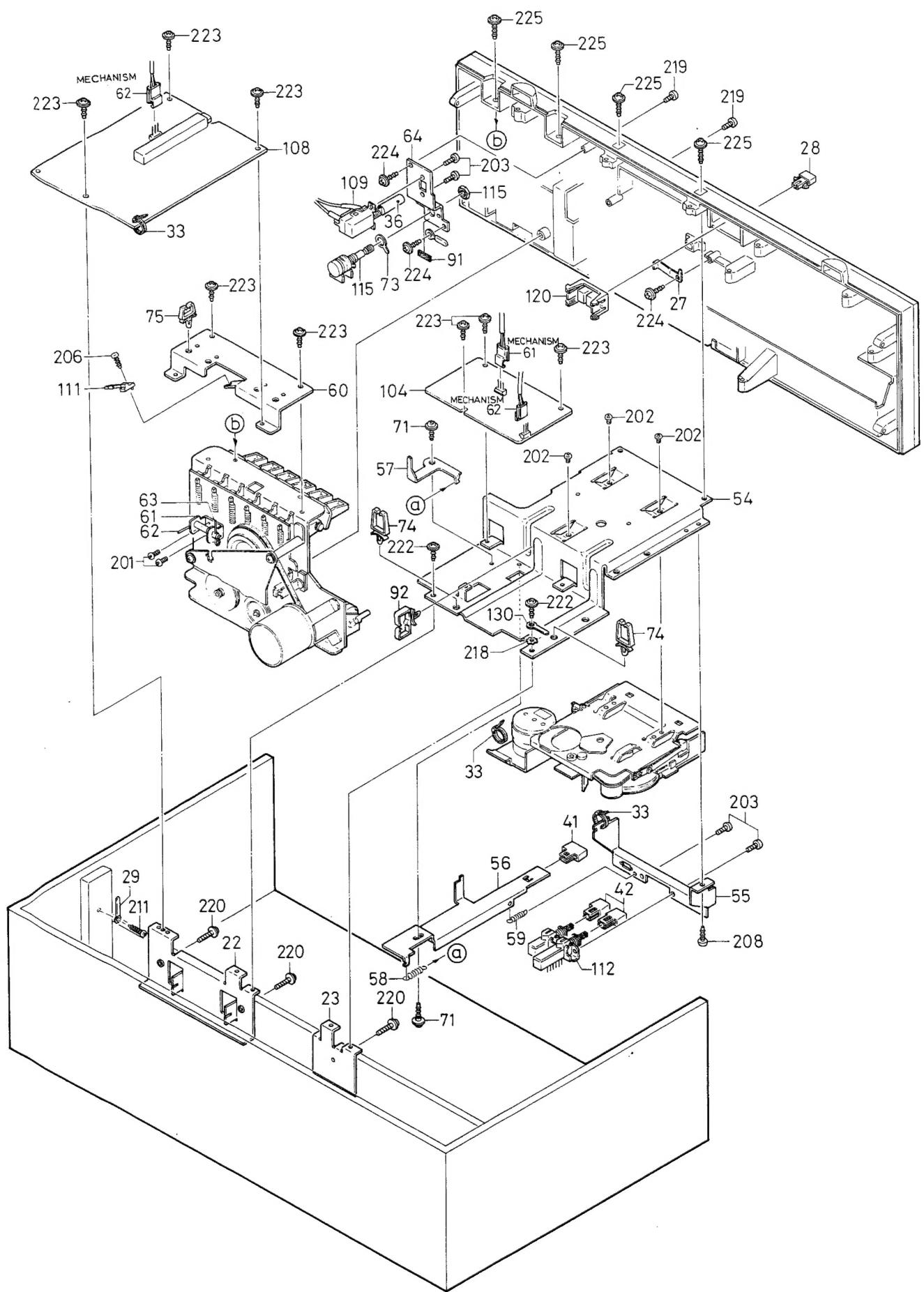
## DIAL CORD STRINGING



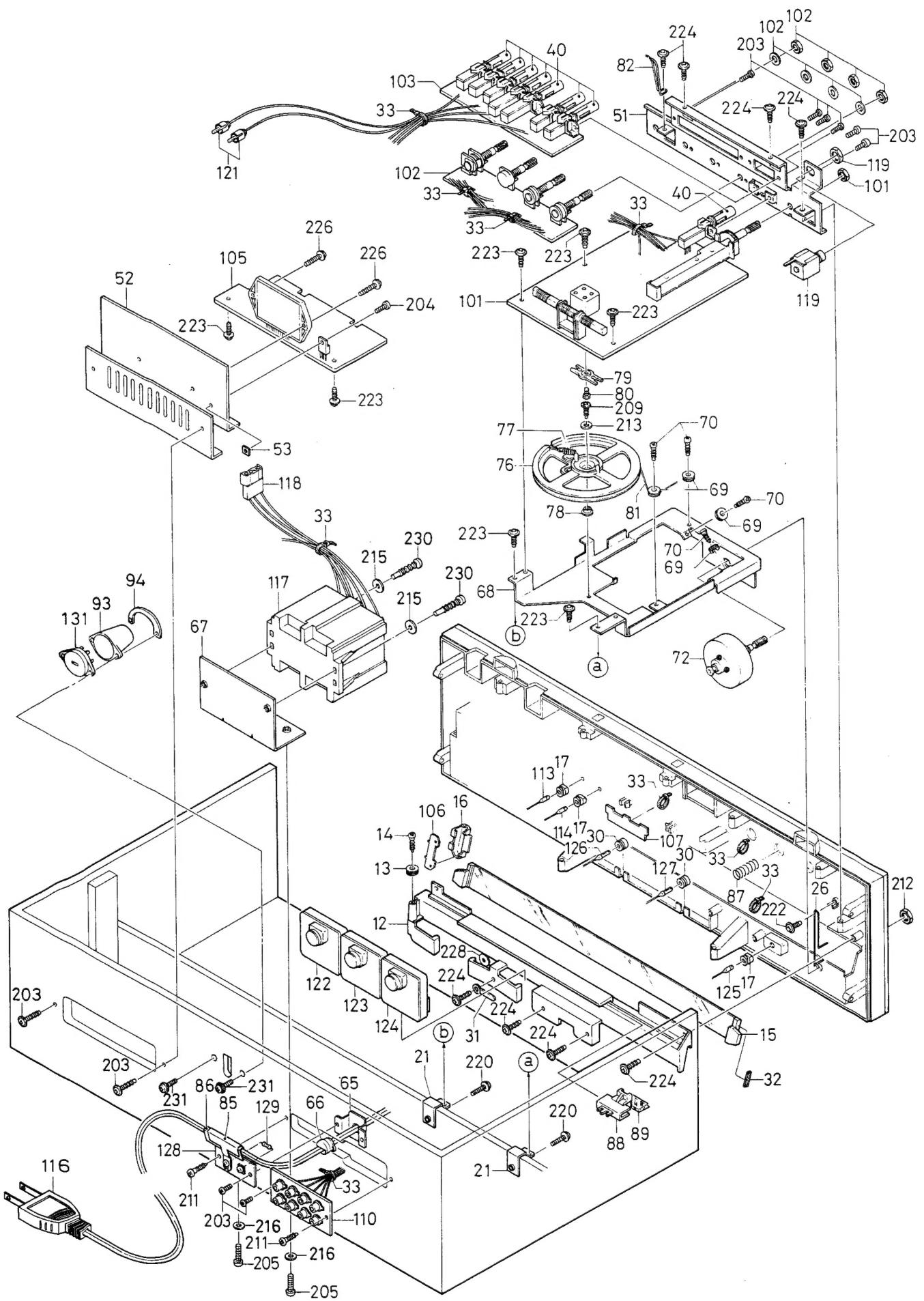
## **EXPLODED VIEW (CABINET)**



## EXPLODED VIEW (CHASSIS 1)



## **EXPLODED VIEW (CHASSIS 2)**



## PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty				
<b>PACKING</b>											
	141-6-132T-97600	Individual Carton (JXT6910K)	1	43	141-0-194T-00801	Dust Cover Ass'y	1				
	141-6-132T-97700	Individual Carton (JXT6910K-5)	1	44	141-2-251T-06501	Hinge	2				
	141-6-410T-23200	Instruction Booklet (JXT6910K)	1	45	141-0-181T-10401	Case Ass'y	1				
	141-6-410T-23300	Instruction Booklet (JXT6910K-5)	1	<b>CHASSIS</b>							
	141-6-144T-51700	Foam Plastic Case	1	51	141-2-214T-03000	Bracket, Frame, VR Switch	1				
	141-6-144T-51800	Foam Plastic Case	1	52	141-2-368T-15400	Heat Sink	1				
	141-6-144T-51900	Foam Plastic Case	1	53	141-2-411T-03500	Plate Nut, PT	1				
	141-6-331T-04600	Protector Sheet, Dust Cover	2	54	141-2-214T-03100	Bracket, Frame, 8 Tr Mech.	1				
	141-6-317T-04100	Pad	1	55	141-2-310T-13400	Bracket, 8 Tr Switch	1				
	141-6-246T-32300	Sheet	2	56	141-2-731T-64200	Slide, Rec	1				
	141-6-317T-06200	Pad	2	57	141-2-742T-24400	Lever, Rec	1				
	141-6-453R-00100	Inspection Sheet	2	58	141-2-855T-29000	Spring Coil, Rec	1				
	141-6-231T-25350	Inner Polyethylene Bag, Inst. B	1	59	141-2-855T-27200	Spring Coil, Rec	1				
	141-6-231T-65900	Inner Polyethylene Bag, Set	1	60	141-2-310T-13600	Bracket, Cassette Mech.	1				
	141-6-231T-50800	Inner Polyethylene Bag, Dust Cover	1	61	141-2-310T-19700	Bracket, Rec	1				
	141-6-231T-55800	Inner Polyethylene Bag, SP Box Ass'y (JXT6910K only)	2	62	141-0-753T-54700	Shaft Ass'y, Rec	1				
	141-6-317T-06800	Pad 180x180mm, SP Box Ass'y (JXT6910K only)	1	63	141-2-852T-52700	Spring Wire, Rec	1				
	141-6-313T-06500	Side Pad 180x180mm, SP Box Ass'y (JXT6910K only)	2	64	141-2-310T-17800	Bracket, AC Switch	1				
	141-6-317T-04700	Pad 180x180mm, SP Box Ass'y (JXT6910K only)	1	65	141-2-310T-14900	Bracket, AC Cord	1				
	141-6-311T-03300	Top Pad 180x180mm, SP Box Ass'y (JXT6910K only)	1	66	141-2-464T-11800	Fixer, AC Cord	1				
	141-6-410T-24200	Instruction Booklet for Record Player Chinese (JXT6910K only)	1	67	141-2-371T-08800	Bracket, Transformer	1				
<b>ACCESSORY</b>											
	4-153T-11200	Microphone, without Remote Switch (JXT6910K only)	1	68	141-2-214T-03200	Bracket, Frame Tuner PCB	1				
	4-153T-11100	Microphone, with Remote Switch	1	69	141-2-661T-71300	Pulley	4				
	4-241T-01886	Cassette tape	1	70	141-2-421T-20900	Special Screw, Pulley	4				
	141-2-174T-07500	Microphone Stand	1	71	141-2-421T-25300	Special Screw, Rec Slide	2				
	4-236T-11201	Plug Ass'y	1	72	141-0-566T-08100	Tuning Shaft Ass'y	1				
	4-195T-00100	Adaptor, 45 rpm.	1	73	141-2-472T-07300	Lug	1				
<b>CABINET</b>											
1	141-0-122T-25701	Front Panel Ass'y	1	74	141-2-464T-24100	Fixer	3				
2	141-0-124T-19801	Top Lid Ass'y	1	75	141-2-464T-21100	Fixer	1				
3	141-0-111T-36801	Cabinet Ass'y	1	76	141-2-538T-08500	Drum	1				
4	141-0-131T-17400	Clear Window Ass'y	1	77	141-2-851T-06300	Spring Coil	1				
5	141-2-224T-09000	Bracket Lid	1	78	141-2-352T-33400	Spacer	1				
6	141-2-753T-33100	Shaft	1	79	123-2-363R-10401	Bracket, Capacitor	1				
7	141-2-855T-21302	Spring Coil	1	80	141-2-425T-00100	Hexagon Screw	1				
8	141-2-210T-06800	Bracket, Left	1	81	141-2-340T-00200	Rope	1				
9	141-2-210T-06900	Bracket, Right	1	82	141-2-852T-52200	Spring Wire	1				
10	141-2-851T-99800	Spring Coil	2	83	141-2-125T-15400	Bottom Lid	1				
11	141-2-310T-18900	Bracket	1	84	141-2-210T-07000	Bracket	2				
12	141-2-214T-02900	Bracket, Frame	1	85	123-2-464R-11201	Fixer, ANT Cord	1				
13	141-2-661T-71300	Pulley, Dial	1	86	123-2-327R-10400	Insulator	1				
14	141-2-421T-20900	Special Screw	1	87	141-2-855T-28900	Spring Coil	1				
15	141-2-146T-18700	Dial Scale	1	88	141-0-511T-12901	Pointer Ass'y	1				
16	141-2-374T-14000	Bracket, Pilot	1	89	141-2-352T-35400	Spacer	1				
17	141-2-445T-11801	Rubber Cushion	3	90	141-2-447T-00201	Cushion	1				
18	141-2-133T-12900	Compartiment Lid, 8 Tr	1	91	141-2-246T-27200	Sheet	1				
19	141-2-753T-16400	Shaft	1	92	141-2-464T-21300	Fixer	1				
20	141-2-855T-37300	Spring Coil	1	93	141-2-135T-52700	Cover	1				
21	141-2-310T-19000	Bracket	2	94	141-2-411T-08800	Plate Nut	1				
22	141-2-310T-13500	Bracket	1	<b>ELECTRICAL PARTS</b>							
23	141-2-310T-17700	Bracket	1	109	4-231T-61003	Switch Ass'y	1				
24	141-0-581T-07100	Gear Ass'y	1	110	4-235T-57901	Socket Ass'y, RCA 8P	1				
25	141-2-251T-06400	Hinge	2	111	4-231T-61600	Switch, R/P	1				
26	141-2-852T-52300	Spring Wire	1	112	4-231T-80600	Switch, F. FWD. PAUSE	1				
27	141-2-853T-58800	Spring Plate	1	113	4-612T-11800	Lamp, Rec	1				
28	141-2-161T-50000	Push Button, Channel Select	1	114	4-612T-11872	Lamp, Dolby	1				
29	141-2-472T-01201	Lug	4	115	4-222T-56872	Variable Resistor, Rec, 50K-Ax2	1				
30	141-2-445T-13302	Rubber Cushion, Meter	2	116	4-243R-00194	Power Cord	1				
31	141-2-472T-01001	Lug	1	117	4-251T-94600	Power Trans	1				
32	141-2-447T-66200	Cushion 10x30x1mm	1	118	4-235T-45372	Socket, Record Player AC	1				
33	141-2-464T-20671	Fixer	18	119	4-235T-44871	Socket, Headphone	1				
34	141-2-163T-47600	Rotary Knob, Volume	1	120	4-235T-51700	Socket, Mic Remote	1				
35	141-2-163T-47700	Rotary Knob, Tone/Balance	3	121	4-236T-11400	Plug, Record Player Out	2				
36	141-2-163T-47900	Rotary Knob, Function	1	122	4-511T-09072	Meter, VU L Channel	1				
37	141-2-163T-47800	Rotary Knob, Tuning	1	123	4-511T-09075	Meter, VU R Channel/Signal	1				
38	141-2-163T-53900	Rotary Knob, Rec Volume	1	124	4-511T-10300	Meter, Tuning	1				
39	141-2-163T-54000	Rotary Knob, Rec Volume	1	125	4-612T-11800	Lamp, FM Stereo	1				
40	141-2-161T-50100	Push Button, Select	8	126	4-612T-10974	Lamp, VU	1				
41	141-2-161T-49800	Push Button, Rec	1	127	4-612T-10975	Lamp, Tuning	1				
42	141-2-161T-55800	Push Button, Pause	2	128	4-237T-07901	Terminal Board Ass'y	1				
				129	123-2-472R-00401	Carbon Res. 470 ohm, ±5%, 1/4W	1				
				130	4-231T-37683	Lug	1				
				131		Switch	1				
<b>HARDWERE</b>											
	201			201		Pan Head Screw, 2.6x6mm	2				
	202			202		Pan Head Screw, 3x4mm	3				
	203			203		Pan Head Screw, 3x8mm	15				
	204			204		Pan Head Screw, 3x12mm	1				
	205			205		Pan Head Screw, 4x14mm	2				
	206			206		Tapping Screw, 2.3x10mm	1				
	207			207		Tapping Screw, 2.6x8mm	2				
	208			208		Tapping Screw, 3x8mm	3				
	209			209		Binding Head Tapping Screw, 3x10mm	1				

**ARTS LIST**

Ref. No.	Part No.	Description	Q'ty
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**ARD WARE**

210		Tapping Screw, 4x10mm	3
211		Round Head Wood Screw, 3x13mm	9
212		Regular Hexagon Nut, 9mm	1
213		Washer, 3x10x0.5mm	1
214		Washer, 3x10x1mm	4
215		Washer, 4x8x0.8mm	2
216		Washer, 4x13x1.2mm	2
218		External Toothlock Washer, 3mm	1
219		Thread Rolling Screw, 3x8mm	2
220		Pan Head Screw with Washer, 3x14mm	5
221		Pan Head Screw with Spring Washer, 2.6x4mm	2
222		Tapping Screw with Washer, 3x6mm	4
223		Tapping Screw, with Washer, 3x8mm	16
224		Tapping Screw with Washer, 3x10mm	14
225		Tapping Screw with Washer, 3x12mm	4
226		Tapping Screw with Washer, 3x14mm	9
227		Tapping Screw with Washer, 3x20mm	2
228		Fiber Washer, 3x10x1mm	1
229		Fiber Washer, 4x10x1mm	1
230		Tapping Screw, 4x12mm	2
231		Tapping Screw, 3x16mm	2

**TUNER PCB ASS'Y**

01	141-4-230T-75800	P.C.B Ass'y, Tuner	1
-101	4-257T-29730	ANT Coil, FM	1
-103	4-265R-11300	VHF Coil, FM	1
-104	4-265R-15100	VHF Coil, FM	1
-105	4-265T-51610	VHF Coil, FM OSC	1
-151	4-257T-30001	ANT Coil Ass'y, AM	1
-152	4-258T-13241A	OSC Coil	1
T201	4-256T-05140	IFT, FM	1
T202	4-256T-12740	IFT, FM	1
T203	4-256T-12840	IFT, FM	1
T204	4-256T-04140	IFT, AM	1
T205	4-256T-04140	IFT, AM	1
T206	4-256T-03740	IFT, AM	1
	4-256T-80400	I.F. Filter	
CF201	4-256T-80471	I.F. Filter	
202	4-256T-80472	I.F. Filter	2
	4-256T-80473	I.F. Filter	
	4-256T-80474	I.F. Filter	
	4-224T-12300	Variable Capacitor	1
SVR301	4-222T-39574	Variable Resistor	1
CR301	4-227T-02300	CR Pack	2
302'			
SVR201	4-222T-39576	Semifixed Variable Resistor	1
	4-231T-80800	Switch, Function	1
	4-231T-80700	Switch, Tape	1
CO101	123-2471R-10900	Core	1
L201	4-253T-09300	Filter	1
Q101		Transistor 2SC930 E Conv	1
Q102		Transistor 2SC930 D Conv	1
Q151		Transistor 2SC930 D Conv	1
Q201		Transistor 2SC930 D IF	1
Q202		Transistor 2SC930 D IF	1
Q203		Transistor 2SC930 E IF	1
Q301		Transistor 2SC536 G	1
Q302		Transistor 2SC536 F	1
Q776,777		Transistor 2SC536 G	4
876,877			
Q775,765		Transistor 2SC1571 G	4
875,865			
IC201		I.C MPC1167C	1
IC301		IC LA3350SS	1
D205		Diode 1N60 AM	1
D101,102		Diode 1S2473	2
D151		Diode 1S2473	1
D201,202		Diode 1S2473	4
203,301			
D204		Diode 1S2473	1
D103		Diode 1S2473	1

Ref. No.	Part No.	Description	Q'ty
<b>TUNER PCB ASS'Y</b>			
		<b>RESISTORS</b>	
R102		Carbon 330 ohm ±5% 1/4W	1
R103		Carbon 1K ohm ±5% 1/4W	1
R104		Carbon 2.7K ohm ±5% 1/4W	1
R105		Carbon 33K ohm ±5% 1/4W	1
R106		Carbon 10K ohm ±5% 1/4W	1
R107		Carbon 56 ohm ±5% 1/4W	1
R108		Carbon 1K ohm ±5% 1/4W	1
R109		Carbon 3.3K ohm ±5% 1/4W	1
R110		Carbon 10K ohm ±5% 1/4W	1
R111		Carbon 47K ohm ±5% 1/4W	1
R112		Carbon 2.2K ohm ±5% 1/4W	1
R113		Carbon 330 ohm ±5% 1/4W	1
R114		Carbon 560 ohm ±5% 1/4W	1
R115		Carbon 100 ohm ±5% 1/4W	1
R151		Carbon 33K ohm ±5% 1/4W	1
R152		Carbon 5.6K ohm ±5% 1/4W	1
R153		Carbon 3.3K ohm ±5% 1/4W	1
R154		Carbon 10 ohm ±5% 1/4W	1
R155		Carbon 330 ohm ±5% 1/4W	1
R156		Carbon 6.8K ohm ±5% 1/4W	1
R159		Carbon 560 ohm ±5% 1/4W	1
R201		Carbon 560 ohm ±5% 1/4W	1
R202		Carbon 10K ohm ±5% 1/4W	1
R203		Carbon 33K ohm ±5% 1/4W	1
R204		Carbon 1.5K ohm ±5% 1/4W	1
R205		Carbon 330 ohm ±5% 1/4W	1
R206		Carbon 330 ohm ±5% 1/4W	1
R207		Carbon 100K ohm ±5% 1/4W	1
R208		Carbon 330 ohm ±5% 1/4W	1
R209		Carbon 6.8K ohm ±5% 1/4W	1
R210		Carbon 8.2K ohm ±5% 1/4W	1
R211		Carbon 22K ohm ±5% 1/4W	1
R212		Carbon 47K ohm ±5% 1/4W	1
R213		Solid 56 ohm ±10% 1/2W	1
R214		Carbon 100K ohm ±5% 1/4W	1
R215		Carbon 5.6K ohm ±5% 1/4W	1
R217		Carbon 4.7K ohm ±5% 1/4W	1
R218		Carbon 390 ohm ±5% 1/4W	1
R220		Carbon 680 ohm ±5% 1/4W	1
R221		Carbon 1.5K ohm ±5% 1/4W	1
R222		Carbon 15K ohm ±5% 1/4W	1
R223		Carbon 150K ohm ±5% 1/4W	1
R224		Carbon 1.5K ohm ±5% 1/4W	1
R225		Carbon 330 ohm ±5% 1/4W	1
R226		Carbon 1K ohm ±5% 1/4W	1
R227		Carbon 3.3K ohm ±5% 1/4W	1
R228		Carbon 5.6K ohm ±5% 1/4W	1
R229		Carbon 10K ohm ±5% 1/4W	1
R230		Carbon 6.8K ohm ±5% 1/4W	1
R216		Carbon 1.8K ohm ±5% 1/4W	1
R301		Solid 100 ohm ±10% 1/2W	1
R302		Carbon 3.3K ohm ±5% 1/4W	1
R303		Carbon 3.3K ohm ±5% 1/4W	1
R304		Carbon 560 ohm ±5% 1/4W	1
R305		Solid 330 ohm ±10% 1/2W	1
R306		Carbon 10K ohm ±5% 1/4W	1
R307		Carbon 3.3K ohm ±5% 1/4W	1
R308		Carbon 10K ohm ±5% 1/4W	1
R309		Carbon 8.2K ohm ±5% 1/4W	1
R310		Carbon 15K ohm ±5% 1/4W	1
R311		Carbon 15K ohm ±5% 1/4W	1
R313		Carbon 560K ohm ±5% 1/4W	1
R779,879		Carbon 470 ohm ±10% 1/4W	2
R784,884		Carbon 470 ohm ±10% 1/4W	2
R866		Carbon 33 ohm ±10% 1/4W	1
R782,882		Carbon 1K ohm ±10% 1/4W	2
R786,886		Carbon 2.2K ohm ±10% 1/4W	2
R876		Carbon 3.3K ohm ±10% 1/4W	1
R776		Carbon 3.3K ohm ±10% 1/4W	1
R791,891		Carbon 2.2K ohm ±10% 1/4W	2
R885,785		Carbon 5.6K ohm ±10% 1/4W	2
R772,872		Carbon 10K ohm ±10% 1/4W	2
R889		Carbon 1.5K ohm ±10% 1/4W	1
R792,892		Carbon 6.8K ohm ±10% 1/4W	2
R773,873		Carbon 1M ohm ±10% 1/4W	2

PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty				
TUNER PCB ASS'Y											
R789	RESISTORS	Carbon 1.5K ohm ±10% 1/4W	1	C220	Electrolytic 4.7μF 16V	1					
R781,881		Carbon 18K ohm ±10% 1/4W	2	C312	Electrolytic 1μF 25V	1					
R775,875		Carbon 39K ohm ±10% 1/4W	2	C209	Electrolytic 1μF 25V	1					
R902		Carbon 4.7K ohm ±10% 1/4W	1	C302	Electrolytic 220μF 16V	1					
R777,877		Carbon 56K ohm ±10% 1/4W	2	C303,304	AL Electrolytic 0.47μF 25V ±20%	2					
R767,867		Carbon 15K ohm ±10% 1/4W	2	C305	AL Electrolytic 0.33μF 10V	1					
R888		Carbon 56K ohm ±10% 1/4W	1	C306	AL Electrolytic 0.22μF 10V	1					
R783,883		Carbon 4.7K ohm ±10% 1/4W	2	C307	AL Electrolytic 0.47μF 10V	1					
R787,887		Carbon 680 ohm ±10% 1/4W	2	C309	Electrolytic 0.47μF 16V	1					
R788		Carbon 15K ohm ±10% 1/4W	1	C118	Electrolytic 47μF 16V	1					
R874,774		Carbon 180K ohm ±10% 1/4W	2	C215	BC Con 0.022μF 25V	1					
R780,880		Carbon 120K ohm ±10% 1/4W	2	C218	BC Con 0.022μF 25V	1					
R778,878		Carbon 56K ohm ±10% 1/4W	2	C219	BC Con 0.022μF 25V	1					
R766		Carbon 33 ohm ±10% 1/4W	1	C782,882	Electrolytic 33μF 6.3V	2					
CAPACITORS											
C101	CAPACITORS	Ceramic 30pF 50V ±5%	1	C902	Electrolytic 100μF 16V	1					
C102		Ceramic 24pF 50V ±5%	1	C777,877	Electrolytic 22μF 6.3V	2					
C103		Ceramic 47pF 50V ±10%	1	C783,883	Electrolytic 10μF 16V	2					
C104		Ceramic 0.01μF 50V +80-20%	1	C776,866	Electrolytic 2.2μF 25V	6					
C105		Ceramic 20pF ±50V ±5%	1	771,871							
C106		Ceramic 0.001μF ±50V ±10%	1	775,875							
C107		Ceramic 0.01μF 50V +80-20%	1	C785,885	Ceramic 100pF 50V ±10%	2					
C108		Ceramic 0.01μF 50V +80-20%	1	C780,880	Ceramic 100pF 50V ±10%	2					
C109		Ceramic 2pF 50V ±0.25pF	1	C767,867	Ceramic 150pF 50V ±10%	4					
C110		Ceramic 20pF 50V ±10%	1	776,876							
C111		Ceramic 560pF 50V ±10%	1	C779,879	Ceramic 0.0033μF 50V ±10%	2					
C112		Ceramic 4pF 50V ±0.25pF	1	C781,881	Mylar 0.01μF 50V ±10%	2					
C113		Ceramic 0.01μF 50V +80-20%	1	C778,878	Mylar 0.015μF 50V ±10%	2					
C114		Ceramic 20pF 50V ±5%	1	C930	Electrolytic 4.7μF 25V	1					
C115		Ceramic 0.001μF 50V ±10%	1	C224	BC Con 0.47μF 25V	1					
C116		Ceramic 0.01μF 50V +80-20%	1	VOLUME PCB ASS'Y							
C100		Ceramic 100pF 50V ±10%	1	102	141-4-230T-75900	P.C.B. Ass'y, Volume	1				
C117		Ceramic 100pF 50V ±10%	1	VR901A	4-222T-54271	Variable Resistor	2				
C201		Ceramic 0.01μF 50V +80-20%	1	901B							
C202		Ceramic 0.01μF 50V +80-20%	1	902A							
C203		Ceramic 0.01μF 50V +80-20%	1	902B							
C204		Ceramic 0.022μF 50V +80-20%	1	VR903A	4-222T-68100	Variable Resistor	1				
C205		Ceramic 0.022μF 50V +80-20%	1	903B							
C206		Ceramic 0.022μF 50V +80-20%	1	VR904	4-222T-54100	Variable Resistor, 250K-W, Balance	1				
C207		Ceramic 270pF 50V ±5%	1	CAPACITORS							
C210		Ceramic 0.022μF 50V +80-20%	1	C733,883	AL Electrolytic 0.22μF 10V +40-20%	2					
C211		Ceramic 0.022μF 50V +80-20%	1	C732,832	Mylar 0.047μF 50V ±10%	2					
C212		Ceramic 0.022μF 50V +80-20%	1	C730,830	Mylar 0.039μF 50V ±10%	2					
C213		Ceramic 0.022μF 50V +80-20%	1	C731,831	Ceramic 0.0056μF 50V ±10%	2					
C214		Ceramic 0.022μF 50V +80-20%	1	RESISTORS							
C216		Ceramic 0.01μF 50V +80-20%	1	R741,841	Carbon 10K ohm ±5% 1/4W	2					
C217		Ceramic 0.022μF 50V +80-20%	1	R743,843	Carbon 4.7K ohm ±5% 1/4W	2					
C225		Ceramic 0.022μF 50V +80-20%	1	R742,842	Carbon 1.8K ohm ±10% 1/4W	2					
C228		Ceramic 0.022μF 50V +80-20%	1	SWITCH PCB ASS'Y							
C152	CAPACITORS	Mylar 0.0047μF 50V ±20%	1	103	141-4-230T-76000	P.C.B. Ass'y, Switch	1				
C153		Mylar 0.01μF 50V ±20%	1	4-231T-80500	Switch	1					
C222		Mylar 0.033μF 50V ±10%	1	4-231T-81700	Switch	1					
C223		Mylar 0.01μF 50V ±10%	1								
C301		Mylar 0.047μF 50V ±20%	1								
C310,311		Ceramic 0.0056μF 50V ±10%	2								
C155		Styrol 140pF 50V ±5%	1								
C308		Styrol 1500pF 50V ±10%	1								
C208		Electrolytic 4.7μF 16V	1								

**ARTS LIST**

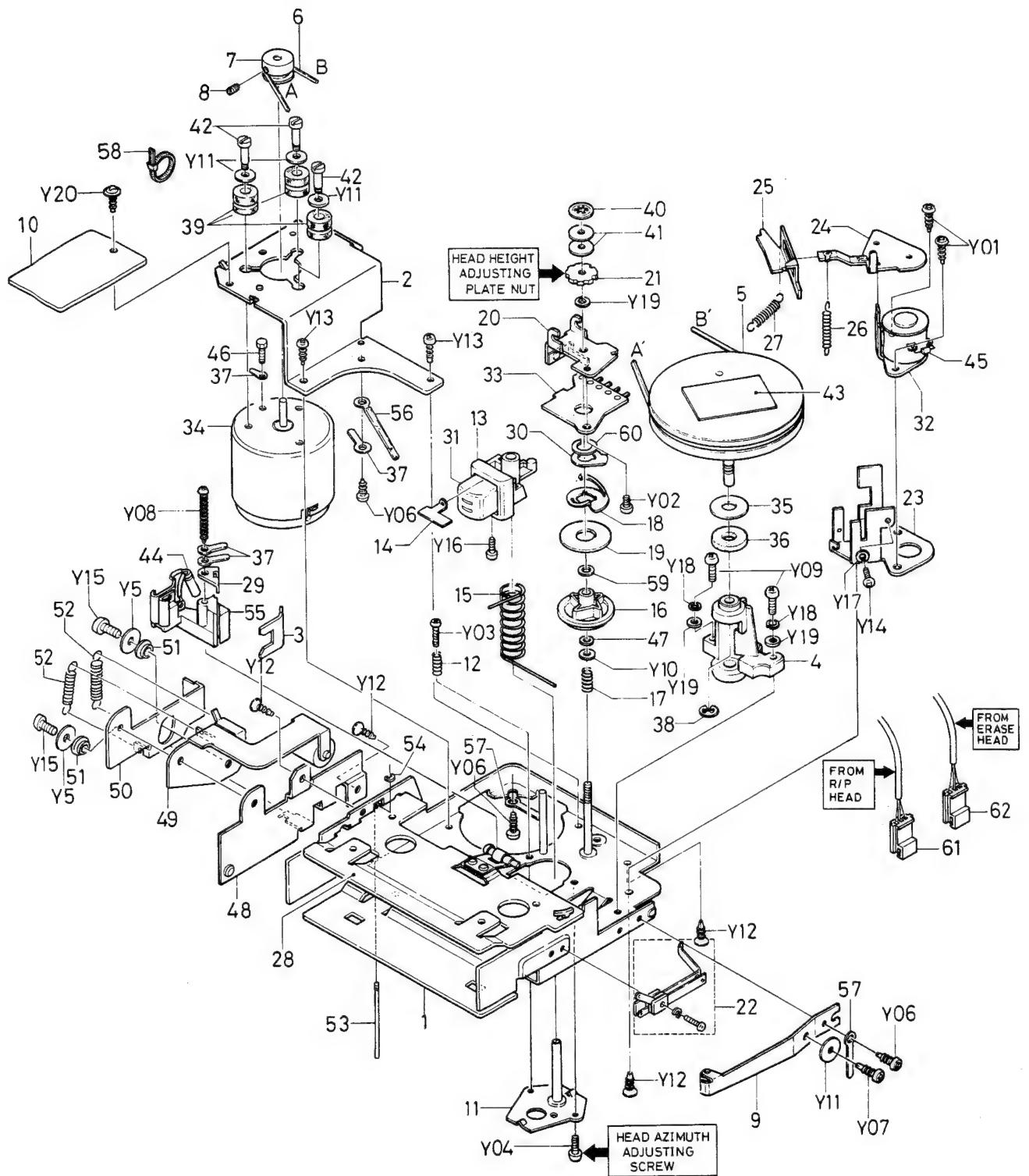
Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
<b>SWITCH PCB ASS'Y</b>							
C744,844 C735,835 C743,843	<b>CAPACITORS</b>	Ceramic 680pF 50V ±10% Mylar 0.068μF 50V ±10% Ceramic 0.0068μF 50V ±10%	2 2 2	105 IC703 Q901 D903 D905 D904,906 907 D901,902	141-4-230T-76200 4-227T-01000 141-2-327T-18200 141-2-243T-09800	P.C.B. Ass'y, Power Amp CR Pack Insulator Base I.C STK437 Transistor 2SC1226Q Diode DS131 A Diode WZ157 Diode 1N4001	1 1 1 1 1 1 1 3
C738,838 R739,839 R745,845 R744,844 R903	<b>RESISTORS</b>	Metal 220 ohm ±5% 1W Carbon 1M ohm ±5% 1/4W Carbon 1M ohm ±5% 1/4W Carbon 5.6K ohm ±5% 1/4W Solid 330 ohm ±10% 1/2W	2 2 2 2 1			Diode 1N4003	2
<b>8 TRACK PCB ASS'Y</b>							
104 SVR751 Q751,851 Q752,852 904 Q603 Q601,602	141-4-230T-76100 4-231T-72973 4-236T-10200 4-222T-39475	P.C.B. Ass'y, 8 Track Switch Plug Semifixed Variable Resistor 10K-B Transistor 2SC1571 G Transistor 2SC536 G U Transistor 2SD400 F Transistor 2SC536 G U	1 1 2 1 2 3 1 2	4-163T-01671	C919 C918 C910 C739,839 C741,841 C916 C740,840 C738 C908 C911 C742,842 C909 C734,834 C736,836 C912,913 C914,915 917 C932	Electrolytic 220μF 10V Electrolytic 2200μF 10V Electrolytic 100μF 16V Electrolytic 220μF 16V Electrolytic 47μF 25V Electrolytic 1000μF 25V Electrolytic 1000μF 35V Electrolytic 100μF 35V Electrolytic 100μF 50V Electrolytic 2200μF Mylar 0.1μF 50V ±20% Electrolytic 470μF 16V Electrolytic 1μF 25V Ceramic 470pF 50V ±10% Ceramic 0.02μF 500V +80-20% Ceramic 0.022μF 50V +80-20% Ceramic 0.022μF 50V +80-20%	1 1 1 2 2 1 2 1 1 1 2 2 1 2 2 2 2 3 1
C755,855 C907 C602 C607 C754,854 756,856 C603 C751,851 C753,853 C752,852 C608 C759,859 C927 C758,858 C757,857	<b>CAPACITORS</b>	Electrolytic 33μF 6.3V Electrolytic 220μF 16V Electrolytic 0.47μF 25V Electrolytic 1μF 25V Electrolytic 2.2μF 25V  Electrolytic 4.7μF 25V Ceramic 150pF 50V ±10% Ceramic 150pF 50V ±10% Ceramic 0.001μF 50V ±10% Electrolytic 47μF 25V Ceramic 150pF 50V ±10% Electrolytic 220μF 6.3V Mylar 0.0022μF 50V ±10% Ceramic 0.0068μF 50V ±10%	2 1 1 1 4 1 2 2 2 1 1 2 1 2 2 2 2 2	<b>RESISTORS</b>	R748,848 R905 R737,837 R909 R746,846 R747,847 R906 R908,910 R750,850 R749,849	Carbon 39 ohm ±5% 1/4W Carbon 4.7K ohm ±5% 1/4W Carbon 12K ohm ±5% 1/4W Carbon 120K ohm ±5% 1/4W Carbon 220K ohm ±5% 1/4W Carbon 390K ohm ±5% 1/4W Metal 56 ohm ±5% 3W Metal 100 ohm ±5% 1/2W Solid 4.7 ohm ±10% 1/2W Solid 1K ohm ±10% 1/2W	2 1 2 1 2 2 1 2 2 1 2
R754,854 R602 R755,855 608,862 R917 R604,605 R606,761 R756,856 R607,603 R757,857 R751,851 R752,852 R753,853 R919 R760 R918,920 R758,858	<b>RESISTORS</b>	Carbon 390 ohm ±10% 1/4W Carbon 680 ohm ±10% 1/4W Carbon 1.2K ohm ±10% 1/4W  Carbon 1.8K ohm ±10% 1/4W Carbon 3.3K ohm ±10% 1/4W Carbon 4.7K ohm ±10% 1/4W Carbon 6.8K ohm ±10% 1/4W Carbon 8.2K ohm ±10% 1/4W Carbon 15K ohm ±10% 1/4W Carbon 39K ohm ±10% 1/4W Carbon 47K ohm ±10% 1/4W Carbon 220K ohm ±10% 1/4W Carbon 5.6 ohm ±10% 1/4W Carbon 5.6K ohm ±10% 1/4W Carbon 8.2K ohm ±10% 1/4W Carbon 220K ohm ±10% 1/4W	2 1 4 1 2 2 2 2 2 2 2 2 2 1 1 2 2 2		DIAL LAMP PCB ASS'Y		
				106	141-4-230T-76300 4-612T-10500	P.C.B. Ass'y, Dial Lamp Lamp 6.3V 300mA	1 1
<b>LED PCB ASS'Y</b>							
				107 R609	141-4-230T-76400 141-2-352T-10600	P.C.B. Ass'y, LED LED SLP114 B RED Carbon Res. 1.8K ohm ±10% 1/4W Spacer	1 1 4 1 4
<b>CASSETTE PCB ASS'Y</b>							
				108 L501,551 L901 L700,800 L901 L701,801	141-4-230T-76500 4-255T-01600 4-258T-21800 4-253T-01011 4-253T-01006 4-252T-04100	P.C.B. Ass'y, Cassette M X Coil O.S.C Coil Hi-Freq Choke Hi-Freq Choke Choke	1 2 1 2 1 2

## PARTS LIST

**ARTS LIST**

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
<b>3-TRACK MECHANISM</b>							
1	141-0-311T-20404	Chassis Assy	1	57	141-2-472T-05801	Lug	2
2	141-2-378T-09201	Bracket, Motor	1	58	141-2-464T-20671	Fixer	1
3	141-2-821T-10900	Tape Guide	1	59	141-2-453T-30302	Washer, GNW 3.1 x 5.4 x 0.5mm	1
4	141-0-571T-14500	Bearing Axis Assy, Flywheel (141-0-571F-00700)	1	60	141-2-453T-30802	Washer, GNW 6.2 x 9.5 x 0.5mm	1
5	141-0-521T-01400	Flywheel Assy (141-0-521T-05600)	1	61	4-235T-59771	Socket 3P, R/P Head	1
6	141-2-564T-18800	Square Belt	1	62	4-235T-59772	Socket 3P, E Head	1
7	141-2-661T-26800	Pulley, Motor	1				
8	141-0-853T-41700	Head Less Screw 2.6 x 5	1				
9		Spring Plate Assy (141-0-853T-01000)	1				
10	141-4-230T-83500	Printed Circuit Board Assy	1				
	4-265R-11200	-VHF Coil	2				
	4-252T-04700	-Choke Coil	1				
		-Electrolytic Cap. 47μF 25V	1				
		-Ceramic Cap. 0.01μF 50V +80-20%	2				
	4-237T-00100	Terminal Board	7				
		Carbon Res. 1Kohm ±5% 1/4W	1				
11	141-0-375T-06301	Bracket Assy, Head (141-0-375T-01300)	1				
12	147-2-851T-00900	Spring Coil	1				
13	141-2-375T-07100	Bracket, Head	1				
14	141-2-352T-13902	Spacer	1				
15	141-2-851T-89600	Spring Coil	1				
16	141-2-671T-05000	Cam	1				
17	141-2-851T-89500	Spring Coil	1				
18	141-2-764T-01401	Brush	1				
19	141-2-352T-14400	Spacer	1				
20	141-0-853T-40900	Spring Plate Assy	1				
21	141-2-411T-07400	Plate Nut	1				
22	4-231T-52300	Switch	1				
23	141-2-351T-33200	Bracket Mounting	1				
24	141-0-741T-92300	Lever Assy (141-0-741T-22500)	1				
25	141-2-741T-81103	Lever	1				
26	141-2-851T-92600	Spring Coil	1				
27	141-2-855T-10200	Spring Coil	1				
28	141-0-312T-14401	Sub Chassis Assy (141-0-312T-01500)	1				
29	141-2-853T-50900	Spring Plate	1				
30	141-2-352T-32000	Spacer	1				
31	4-242T-22400	Head	1				
32	4-264T-06301	Magnetic Coil Assy (4-264T-07101)	1				
33	4-230T-60100	Printed Circuit Board, Channel Select	1				
34	4-527T-11971	Motor	1				
35	141-2-457T-13400	Special s Washer 6.5 x 13 x 1 Nylon	1				
36	141-2-452T-03600	Felt Washer	1				
37	123-2472R-00400	Lug	4				
38	141-2-457T-23200	Special Washer	1				
39	141-2-444T-13300	Rubber Cushion	3				
40	141-2-457T-22400	Special Washer	1				
41	141-2-457T-09200	Special Washer	2				
42	141-2-421T-10801	Special Screw	3				
43	141-6-474T-02600	Identification Label	1				
44		Electrolytic Cap. 3.3μF 25V	1				
45		Diode 10D1	1				
46	141-2-421T-22100	Special Screw	1				
47	141-2-453T-30301	Washer 3.1 x 5.4 x 0.25 Nylon	3				
48	141-2-747T-16501	Bracket Lever	1				
49	141-0-742T-18400	Lever Assy (141-0-742T-22600)	1				
50	141-2-742T-18500	Lever	1				
51	141-2-461T-32500	Pipe	2				
52	141-2-855T-25500	Spring Coil	2				
53	141-2-753T-50200	Shaft	1				
54	141-2-457T-23800	Special Washer	1				
55	147-0-382T-01700	Terminal Assy	1				
56	141-2-472T-01201	Lug	1				

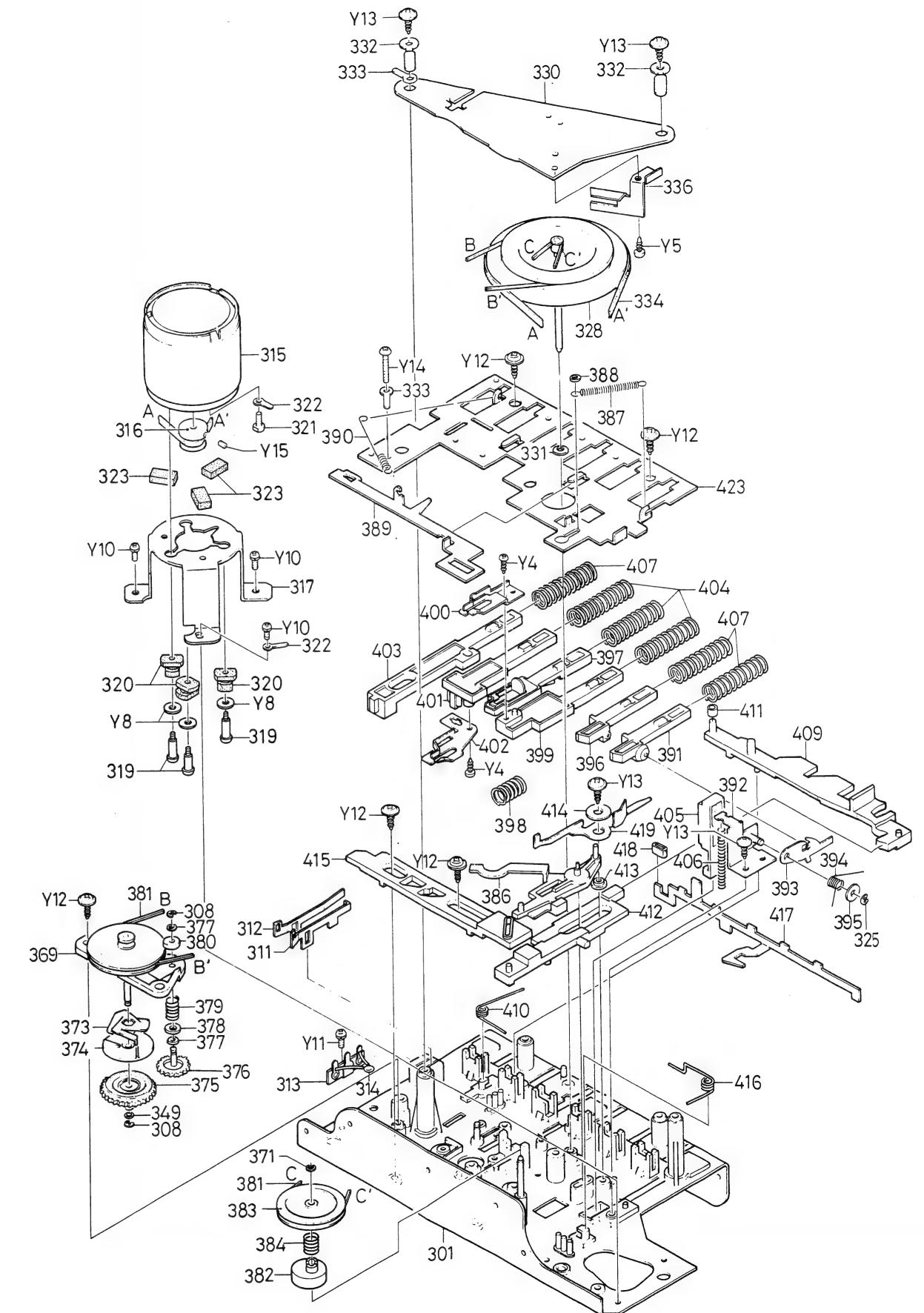
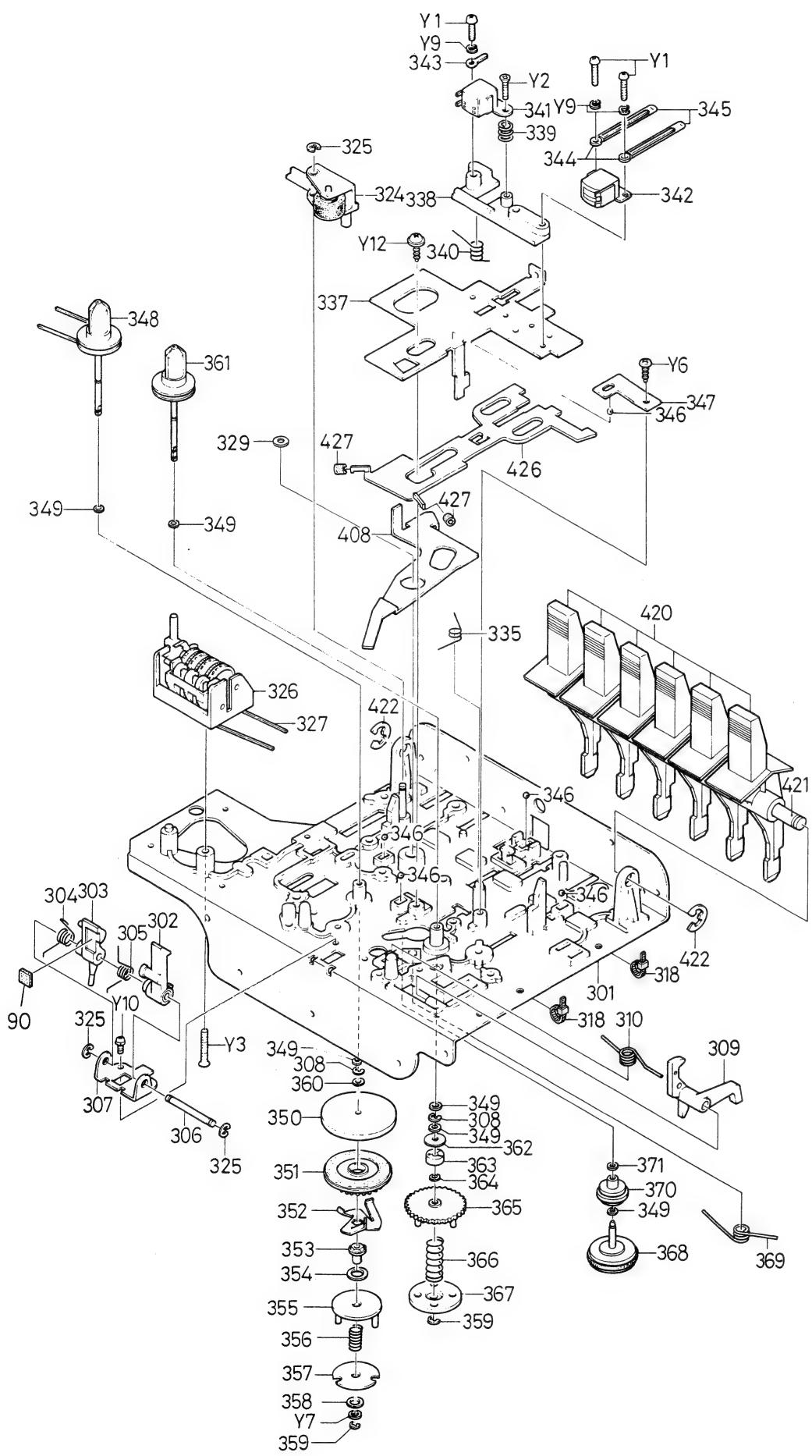
## **EXPLODED VIEW (8-TRACK MECHANISM)**



**ARTS LIST**

Key No.	Part No.	Description	Q'ty	Key No.	Part No.	Description	Q'ty				
<b>CASSETTE MECHANISM</b>											
301	141-0-311T-28021	Chassis Ass'y	1	372	141-0-661T-26300	Pulley Ass'y	1				
302	141-2-742T-18200	Lever, Cassette Lock	1	373	141-2-853T-54400	Spring Plate	1				
303	141-2-742T-18300	Lever, Cassette Prass	1	374	141-2-457T-13100	Special Washer	1				
304	141-2-852T-47300	Spring Wire	1	375	141-0-581T-10400	Gear Ass'y	1				
305	141-2-852T-48400	Spring Wire	1	376	141-0-581T-10500	Gear Ass'y	1				
306	141-2-753T-41400	Shaft, Lever	1	377	141-2-457T-11000	Special Washer	2				
307	141-2-747T-16400	Bracket, Lever	1	378	141-2-457T-14000	Special Washer	1				
308	141-2-457T-23800	Special Washer 1.5mm	6	379	141-2-855T-23400	Spring Coil	1				
309	141-2-742T-14500	Lever	1	380	141-2-457T-13600	Special Washer	1				
310	141-2-852T-47200	Spring Wire	1	381	141-2-564T-18300	Squar Belt, Pulley	1				
311	141-2-853T-48601	Spring Plate	1	382	141-2-671T-05600	Cam, Autostop	1				
312	141-2-853T-48500	Spring Plate	1	383	141-2-661T-26400	Pulley	1				
313	4-237T-05800	Terminal Board	1	384	141-2-855T-30300	Spring Coil	1				
314	4-527T-11400	Ceramic Cap. 0.001μF 50V	1	385	141-2-564T-18400	Squar Belt, Autostop	1				
315	141-2-661T-72100	Motor	1	386	141-0-742T-14100	Lever Ass'y	1				
316	141-2-661T-72101	Pulley, Motor } or	1	387	141-2-855T-23101	Spring Coil	1				
	141-2-661T-72102	Pulley, Motor }		388	141-2-457T-14300	Special Washer	1				
317	141-2-378T-09600	Bracket, Motor	1	389	141-2-742T-13900	Lever	1				
318	141-2-464T-20671	Fixer	2	390	141-2-855T-26300	Spring Coil	1				
319	141-2-421T-16000	Special Screw, Bracket Motor	3	391	141-0-731T-59100	Slide Ass'y, Pause	1				
320	141-2-445T-11801	Rubber Cushion, Motor	3	392	141-0-747T-17000	Bracket Lever Ass'y	1				
321	141-2-421T-22100	Special Screw	1	393	141-2-742T-13800	Lever, Pause Lock	1				
322	123-2-472R-00400	Lug	3	394	141-2-852T-47700	Spring Wire	1				
323	141-2-447T-36001	Cushion, Motor	3	395	141-2-453T-00800	Washer, 3x8x0.5	1				
324	141-0-545T-05000	Lever Pinch Roller Ass'y	1	396	141-2-731T-59100	Slide, Stop Button	1				
325	141-2-457T-23000	Special Washer 2mm	2	397	141-2-731T-58900	Slide	1				
326	141-2-811T-06300	Counter	1	398	141-2-855T-11800	Spring Coil	1				
327	141-2-564T-18500	Squar Belt, Counter	1	399	141-2-731T-59000	Slide, Fwd.	1				
328	141-0-521T-08201	Flywheel Ass'y	1	400	141-2-853T-54800	Spring Plate, Fwd	1				
329	141-2-457T-04300	Special Washer	1	401	141-2-731T-58800	Slide, Rew	1				
330	141-0-524T-07901	Bracket, Flywheel Ass'y	1	402	141-2-853T-54700	Spring Plate, Rew	1				
	141-2-453T-30200	Washer, 2.6x4.7x0.13 }		403	141-2-731T-58700	Slide, Rew Button	1				
331	141-2-453T-30201	Washer, 2.5x5x0.25 } or	1	404	141-2-855T-23000	Spring Coil	3				
	141-2-453T-30202	Washer, 2.6x4.7x0.5 }		405	141-2-731T-62700	Slide	1				
332	123-2-472R-00601	Lug	2	406	141-2-855T-27100	Spring Coil	1				
333	123-2-472R-00400	Lug	2	407	141-2-855T-29500	Spring Coil	3				
334	141-2-561T-04300	Flat Belt, Main	1	408	141-2-742T-14000	Lever, Pause	1				
336	141-2-351T-45901	Bracket Mounting	1	409	141-2-742T-14200	Lever, Eject	1				
337	141-2-731T-58600	Slide	1	410	141-2-852T-47500	Spring Wire	1				
338	141-2-464T-27800	Fixer	1	411	141-2-490T-08301	Tube	5				
339	141-2-851T-82700	Spring Coil, Head Adj.	1	412	141-2-731T-59200	Slide, Eject	1				
340	141-2-852T-47400	Spring Wire, Pinch Roller	1	413	141-2-683T-34200	Ring	1				
341	4-242T-21400	Head R/P	1	414	141-2-457T-06600	Special Washer	1				
342	4-242T-18602	Head E	1	415	141-2-731T-59301	Slide, Eject	1				
343	123-2-472R-00200	Lug	1	416	141-2-852T-47600	Spring Wire	1				
344	141-2-472T-05900	Lug	2	417	141-2-731T-61100	Slide	1				
345	141-2-490T-00600	Tube	1	418	141-2-490T-08000	Tube	4				
346	141-2-345T-00400	Steel Ball, Head Slide	5	419	141-2-853T-54600	Spring Plate	1				
347	141-2-853T-54900	Spring Plate, Head Slide	1	420	141-2-611T-11100	Lever Push Button	6				
348	141-0-531T-11800	Reel Plate Ass'y, Tack-up	1	421	141-2-753T-34300	Shaft	1				
349	141-2-453T-30101	Washer, 2.1x4.0x0.25 Nylon	9	422	141-2-457T-23600	Special Washer	2				
350	141-2-547T-02100	Roller	1	423	141-2-737T-05900	Bracket Slide	1				
351	141-0-581T-10600	Gear Ass'y	1	426	141-2-731T-65600	Slide, Brake	1				
352	141-2-853T-54500	Spring Plate	1	427	141-2-712T-02700	Brake Shoe	2				
353	141-2-457T-13300	Special Washer	1	<b>MECHANISM HEADWARE</b>							
354	141-2-453T-30500	Washer, 4.1x6.5x0.13 Nylon	2	Y1		Pan Hd. Screw, 2x10	3				
355	141-2-671T-05500	Cam	1	Y2		Flat Hd. Screw, 2x11	1				
356	141-2-855T-23500	Spring Coil, Auto Stop	1	Y3		Flat Hd. Screw, 3x16	1				
357	141-2-457T-13000	Special Washer	1	Y4		Pan Hd. Tapping Screw, 2.3x6	2				
358	141-2-453T-30501	Washer, 4.1x6.5x0.25 Nylon	1	Y5		Pan Hd. Tapping Screw, 2.3x6	1				
359	141-2-457T-23700	Special Washer	2	Y6		Pan Hd. Tapping Screw, 3x6	1				
360	141-2-453T-30100	Washer, 2.1x4x0.13 Nylon	1	Y7		Washer, 2x6x0.4	1				
361	141-0-531T-11801	Reel Plate Ass'y, Supply	1	Y8		Washer, 3x8x0.5	3				
362	141-2-457T-14000	Special Washer	1	Y9		Spring Washer, 2x4.4x0.5	3				
363	141-2-457T-14100	Special Washer	1	Y10		Pan Hd. Screw W/Spring	4				
364	141-2-457T-11000	Special Washer	1	Y11		Washer, 2.6x4	1				
365	141-2-581T-10700	Gear, Rew	1	Y12		Pan Hd. Screw W/Spring	1				
366	141-2-855T-23200	Spring Coil	1	Y13		Pan Hd. Tapping Screw	8				
367	141-2-661T-26500	Pulley, Rew	1	Y14		W/Washer, 3x6	3				
368	141-0-551T-01720	Idler Ass'y	1	Y15		Pan Hd. Tapping W/Washer,	3				
369	141-2-852T-47800	Spring Wire, Idler	1			3x8					
370	141-2-661T-26600	Pulley, Idler	1			Pan Hd. Forming Screw, 3x18	1				
371	141-2-453T-30001	Washer, 1.7x3.2x0.25	2			Headless Screw, 2x4	1				

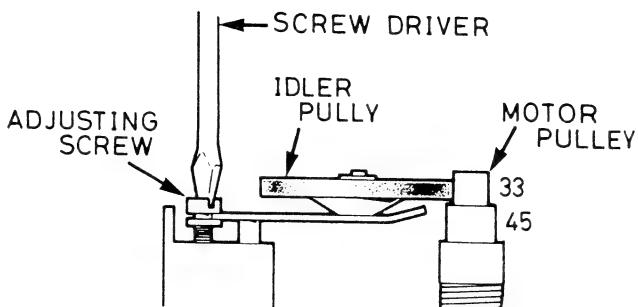
## **EXPLODED VIEW (CASSETTE MECHANISM)**



## TURNTABLE ADJUSTMENTS

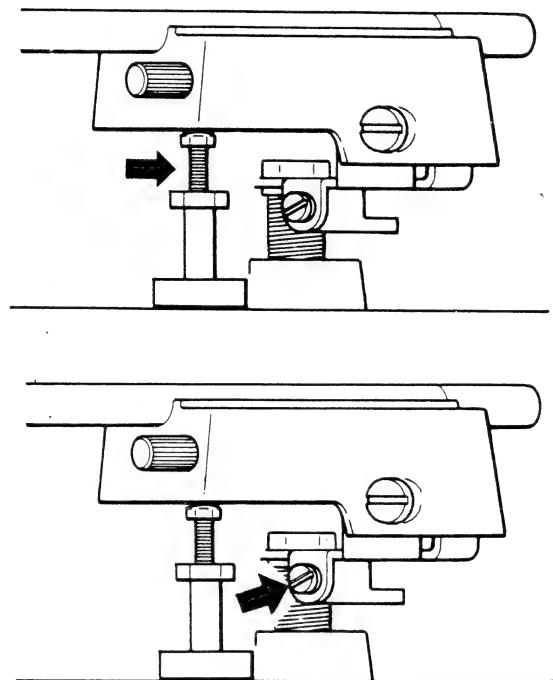
### (1) Idler Pulley

Disconnect changer from AC source and remove turntable. Set speed selector knob to 33 and control knob to START so idler pulley rests on 33 rpm step on motor pulley. Using a screwdriver, turn adjustment screw until idler pulley is centered on 33 rpm step on motor pulley. Check alignment of idler pulley at all speeds and readjust, if necessary. Move control knob to STOP and replace turntable, taking care not to damage idler pulley.



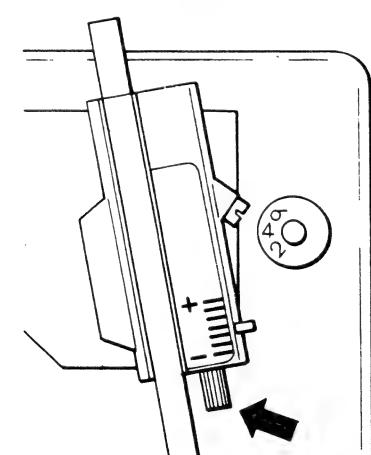
### (2) Tonearm Height

To raise, hold plastic nut firmly and turn screw head counter-clockwise by hand; to lower, turn screw head clockwise. Adjust stylus to clear a full stack of records by 1/8".



### (3) Stylus Set-Down

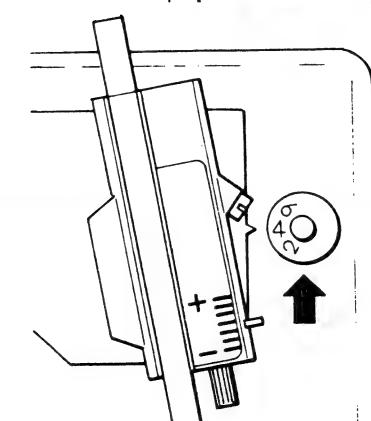
Set-down position of stylus on the record is adjusted by means of stylus adjusting screw. This screw is adjusted to obtain correct set-down for a 12" record. It should be adjusted so stylus will set down 1/8" from outside edge of record. This adjustment should be made with a 12" record on turntable. When stylus setdown is adjusted correctly for 12" record, it will automatically be corrected for 7" and 10" records.



### (4) Stylus Pressure

NOTE: It is necessary to use a stylus pressure gauge in adjusting stylus pressure of tonearm. One can be obtained from a local hi-fi store. Stylus pressure indicator on side of tonearm is for reference only and indicates an increase or decrease in nominal stylus pressure setting.

Turn stylus pressure adjusting screw clockwise to reduce stylus pressure; and counterclockwise to increase pressure. Pressure should be within a range of 4.0 gr to 4.5 gr.



### (5) Anti-Skate

Set control knob to number that is closest to stylus pressure setting. This anti-skate feature prevents tonearm from making quick lateral movements, such as skating through "lead-in" grooves of a record.

## PARTS LIST

### Item Part No Description

1	A.101506	Thrust Washer
2	A.101649	Ballrace
3	A.101506	Thrust Washer
4	A.102058	Damping Washer
5	A.106089	Spring Cup
6	A.106090	Unit Mounting Spring
7	A.102109	Circlip
8	A.102595	Washer
9	A.104189	Transit Screw
10	B.108656	Mainplate Sub-Assembly
11	A.106090	Unit Mounting Spring
12	A.102166	Retaining Clip
13	A.106089	Spring Cup
14	A.106510	Screw Type B No. 6 x $\frac{1}{2}$ " Rec. Pan Head
15	A.102126	Solder Tag
16	A.106206	Tag Mounting Strip
17	A.106510	Screw Type B No. 6 x $\frac{1}{2}$ " Rec. Pan Head
18	A.108589	Raising Spindle
19	B.110364	Raising Cam
20	A.102109	Circlip
21	B.106021	Speed Change Arm
22	A.105831	Raising Spindle Spring
23	A.106034	Speed Change Bracket
24	A.107148	Insulating Sleeve
25	A.106015	Retaining Strip
26	A.106970	Capacitor
27	A.200446	Solder Tag
28	A.200450	Switch Dolly
29	A.200445	Flat Contact
30	A.200444	Domed Contact
31	A.108183	Switch Cover
32	A.108182	Switch Cover
33	A.107418	Screw Type BT 4-24 x $\frac{1}{2}$ " Rec. Pan Head
34	A.105263	Screw Type BT 6-20 x $\frac{1}{2}$ " Rec. Pan Head
35	A.102718	Cable Clamp
36	A.106513	3" - 5mm PVC Sleaving
37	A.106749	4 BA Tag Lockwasher
38	A.103096	'Amp' Plug Housing
39	A.104865	Insulating Strip
40	A.108184	Switch Cover
41	A.102181	Two Pole Motor Assembly
42	A.106510	Rubber Mounting
43	A.101646	Motor Mounting Washer
44	A.100762	Circlip
45	B.108181	Switch Body
46	A.106510	Screw Type B No. 6 x $\frac{1}{2}$ " Rec. Pan Head
47	A.102128	Circlip
48	A.105619	Adjusting Screw
49	A.105966	Jockey Arm Riveting Assembly
50	A.105824	Jockey Pulley Spring
51	A.101620	Jockey Pulley Spindle Washer
52	A.101623	Jockey Pulley Assembly
53	A.106510	Screw Type B No. 6 x $\frac{1}{2}$ " Rec. Pan Head
54	A.106749	4 BA Tag Lockwasher
55	A.101620	Jockey Pulley Spindle Washer
56	A.100762	Circlip
57	A.102128	Circlip
58	A.107086	Muting Switch Assembly
59	A.102126	Solder Tag
60	A.102616	Phono Socket
61	A.106090	Unit Mounting Spring
62	A.106089	Spring Cup
63	A.100762	Circlip
64	A.106819	Actuating Pawl Assembly
65	A.102133	Cam Gear Riveting Assembly
66	A.108034	Cut-Off Slide
67	A.108083	Cut-Off Slide Spring
68	A.102126	Solder Tag
69	A.110609	Screw No. 8 x $\frac{1}{2}$ " Hi-Lo Rec. Pan Head
70	A.102126	Solder Tag
71	A.108401	7" - 3mm PVC Sleaving
72	C.108104	Main Sub Plate Riveting Assembly
73	A.105878	Circlip
74	A.106510	Screw Type B No. 6 x $\frac{1}{2}$ " Rec. Pan Head
75	A.106510	Screw Type No. 6 x $\frac{1}{2}$ " Rec. Pan Head
76	A.110985	Control Spindle Spring
77	A.104861	Spacer
78	A.102109	Circlip
79	A.106512	Screw Type BT 4-24 x $\frac{1}{2}$ " Rec. Pan Head
80	A.108654	Spring Clip
81	A.100762	Circlip
82	A.105901	Actuating Slide Spring
83	A.107419	Ball Bearing $\frac{1}{2}$ " Diameter
84	A.106980	Operating Plate Spring
85	A.103290	Washer
86	A.108077	Spring
87	A.100785	Circlip
88	A.102109	Circlip
89	A.108078	Selector Drive Spring
90	A.102109	Circlip
91	A.105597	Feed Lever Link
92	A.105827	Link Return Spring
93	A.106968	Feed Lever Link Spring
94	A.108168	Operating Plate Assembly
95	A.105472	'Screw-On' Connector
96	A.104077	Four Pole Motor Assembly
97	A.106966	Circlip
98	A.106966	Washer
99	B.106962	Actuating Slide
100	A.108073	Toggle Wheel
101	A.108334	Circlip
102	A.106697	Pick-Up Raising Spindle Assembly
103	A.107004	Support Spring
104	A.106965	Support Bracket
105	A.107154	Ball Bearing $\frac{1}{2}$ " Diameter
106	A.108085	Quadrant Assembly
107	A.104882	Retaining Clip
108	A.106510	Screw Type B No. 6 x $\frac{1}{2}$ " Rec. Pan Head
109	A.100785	Circlip
110	A.102128	Circlip
111	A.101526	Circlip
112	A.102251	Retainer
113	A.102623	Cut-Off Lever Spring
114	B.105592	Cut-Off Lever
115	B.108036	Selector Lever
116	A.108893	Washer
117	A.106510	Screw Type B No. 6 x $\frac{1}{2}$ " Rec. Pan Head
118	A.100762	Circlip
119	A.105660	Control Washer
120	A.106627	Detent Spring
121	A.102109	Circlip
122	A.106134	Reject Link
123	A.108283	Reject Lever Assembly
124	A.108075	Detent Plate Spring
125	A.108894	Selector Pivot
126	A.108033	Detent Plate
127	A.102109	Circlip
128	A.106193	Reject Plate Assembly
129	A.105267	Screw Type BT 4-24 x $\frac{1}{2}$ " Rec. Pan Head
130	A.105267	Screw Type BT 4-24 x $\frac{1}{2}$ " Rec. Pan Head
131	A.106119	Reject Slide
132	B.106143	Selector Slide
133	A.100785	Circlip
134	A.108461	Roller
135	A.108064	Slide Pin
136	A.106129	Switch Lever
137	A.107863	Screw Type BT 4-24 x $\frac{1}{2}$ " Rec. Pan Head
138	A.106816	Washer
139	B.106405	Switch Link
140	A.106815	Spring Anchor
141	A.106812	Anti-Skate Spring
142	A.105267	Screw Type BT 4-24 x $\frac{1}{2}$ " Rec. Pan Head
143	A.105826	Switch Lever Spring
144	A.102110	Circlip
145	B.108113	Speed Change Slide Assembly
146	A.102166	Retaining Clip
147	A.106813	Anti-Skate Control Spring
148	A.106089	Spring Cup
149	A.106090	Unit Mounting Spring
150	B.106122	Knob
151	B.106122	Knob
152	B.110426	Selector Knob
153	A.104189	Transit Screw
154	A.108891	Selector Pivot Spring
155	A.102109	Circlip
156	A.104765	Drive Spring
157	B.110487	50c Motor Pulley
157	B.110488	60c Motor Pulley
158	A.106510	Screw Type B No. 6 x $\frac{1}{2}$ " Rec. Pan Head
159	B.108629	Anti-Skate Control

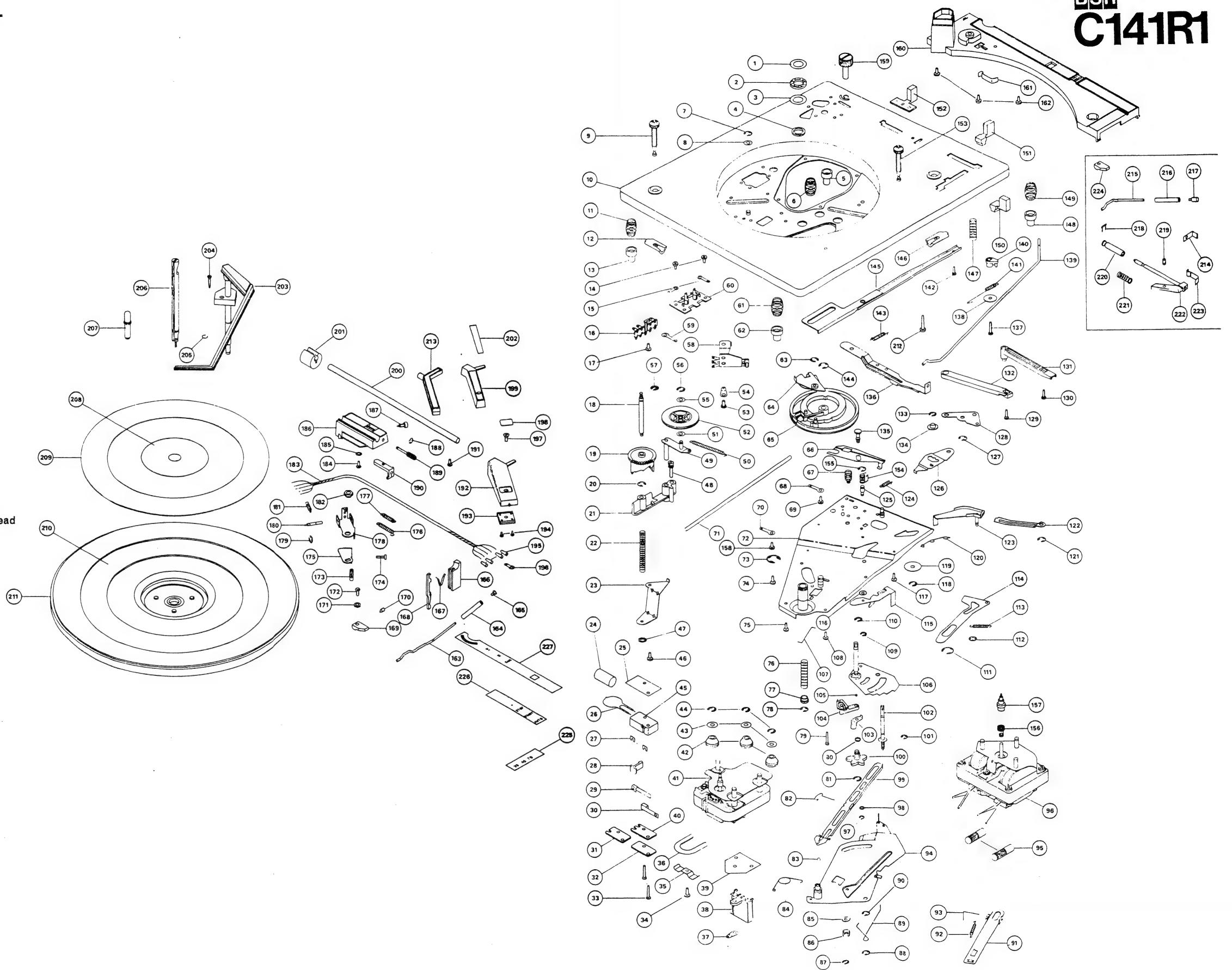
**EXPLODED VIEW (AUTO MECHANISM)**

**Item Part No Description**

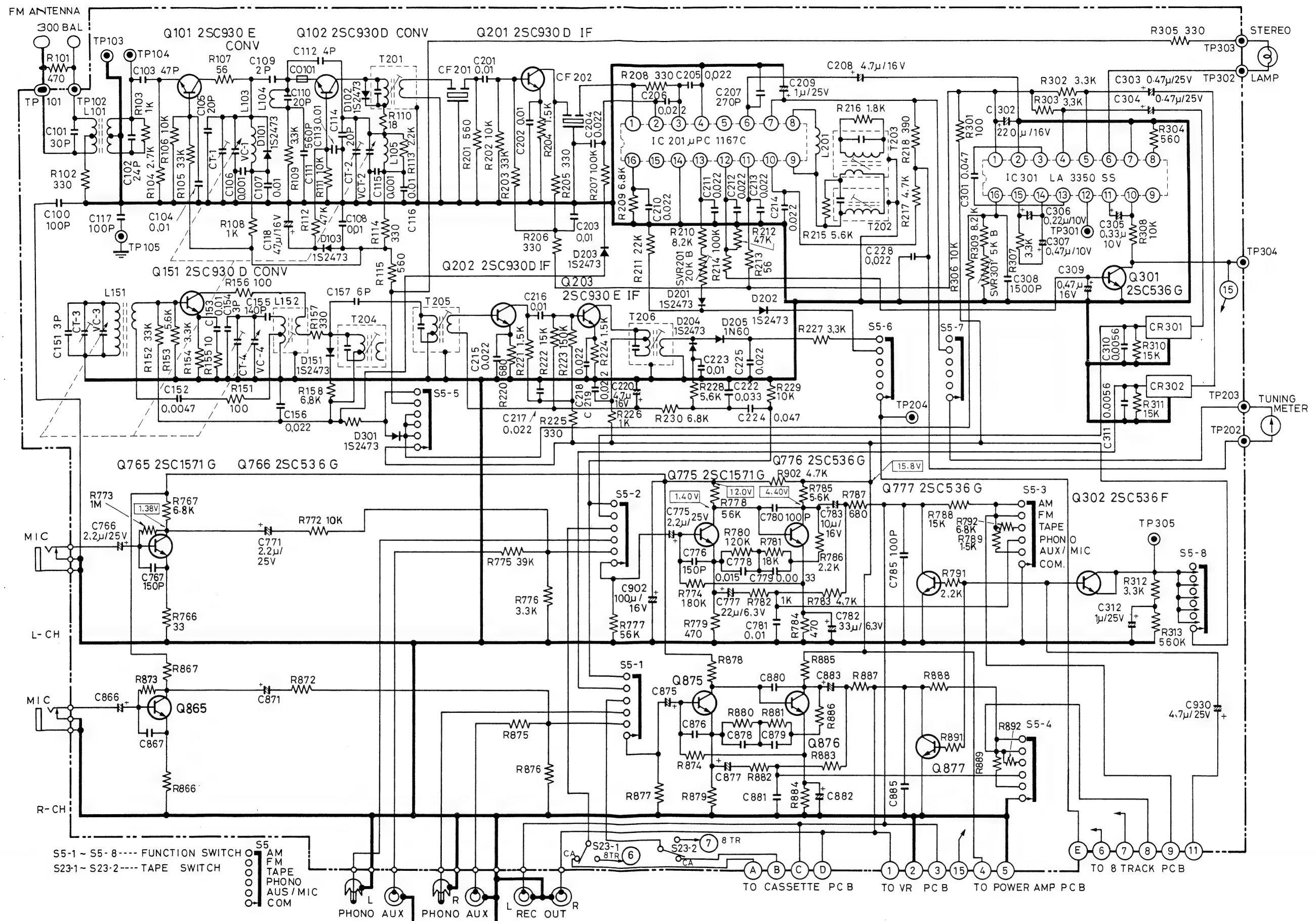
160	D.111169	Escutcheon
161	A.108410	Spring
162	A.106510	Screw Type B No. 6 x $\frac{1}{4}$ " Rec. Pan Head
163	A.110451	Raising Arm
164	A.110381	Knob
165	A.110408	Cap
166	A.106663	Pick-Up Rest
167	A.106173	Pick-Up Spring
168	A.106664	Pick-Up Clip
169	A.110454	Raising Pad
170	A.106505	Grub Screw 6 BA x $\frac{1}{4}$ " pointed
171	A.105907	Nut
172	A.105712	Adjusting Screw
173	A.106047	Locking Sleeve
174	A.106917	Screw Type 6 BA x $\frac{1}{4}$ " Std. Cheese Head
175	A.106654	Pick-Up Adjuster
176	A.200510	Pick-Up Balance Spring
177	A.105669	Pick-Up Balance Spring
178	A.108384	Hinge Bracket Riveting Assembly
179	A.106205	Circlip
180	A.108381	Pick-Up Pivot
181	A.108382	Hinge Retainer Spring
182	A.105624	Pick-Up Spindle Nut
183	A.106745	20° — Quin Pick-Up Lead
184	A.109551	Screw Type A No. 4 x $\frac{1}{4}$ " Rec. Pan Head
185	A.106504	6 BA External Lockwasher
186	A.110574	Pick-Up Body Sub Assembly
187	A.106652	Pick-Up Pivot Screw
188	A.108348	Circlip
189	A.108344	Balance Adjusting Screw
190	B.110417	Balance Adjuster
191	A.109551	Screw Type A No. 4 x $\frac{1}{4}$ " Rec. Pan Head
192	C.110397	Pick-Up Head
193	A.106775	Adaptor Plate
194	A.106506	Screw Type B No. 2 x $\frac{1}{4}$ " Rec. Pan Head
195	A.104306	Sleeve
196	A.103587	Solder Tag
197	A.106573	Screw 6 BA x $\frac{1}{4}$ " Rec. Countersunk Head
198	A.110449	Pick-Up Head Trim
199	D.110872	Pick-Up Head
200	B.111172	Pick-Up Tube
201	B.111159	Counterweight
202	A.110864	Pick-Up Head Trim
203	B.111189	Control Arm Assembly
204	A.108821	Screw Type B No. 2 x $\frac{1}{4}$ " Rec. Countersunk Head
205	A.108841	Circlip
206	A.107043	Centre Spindle Assembly
207	A.108748	Stub Spindle
208	A.106024	Turntable Centre Disc
209	B.106139	Turntable Trim
210	C.109261	Turntable Mat
211	C.106194	Turntable Assembly
212	A.106507	Screw Type BT 6-20 x $\frac{1}{4}$ " Rec. Pan Head
213	A.110908	'Custom Design' Head
214*	A.110908	Retainer
215*	A.108413	Raising Arm
216*	A.110381	Knob
217*	A.110407	Cap
218*	A.110895	Circlip
219*	A.108746	Adjusting Screw Assembly
220*	A.108408	Cylinder
221*	A.108415	Spring
222*	A.110423	Raising Slide Assembly
223*	A.108410	Spring
224*	A.110455	Raising Pad
225	A.111174	Speed Change Trim
226	A.111173	Control Trim
227	A.111176	Trim

Items marked thus \* apply only when model is fitted with a Viscous cueing device.

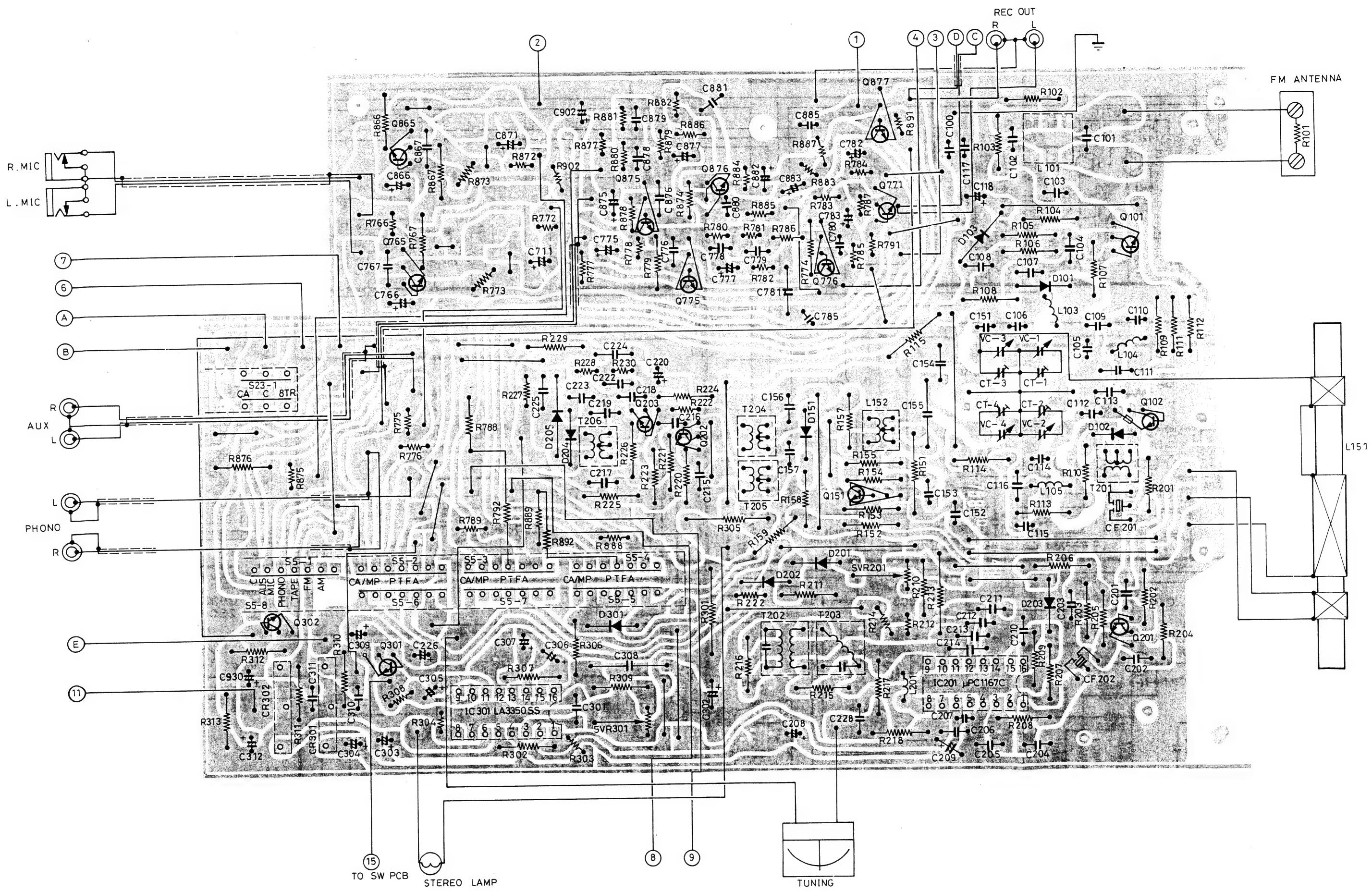
4-157T-01401 | Cartridge Assembly  
4-157T-01400 | Cartridge, MG-31J  
4-156T-01000 | Stylus, ST-31J



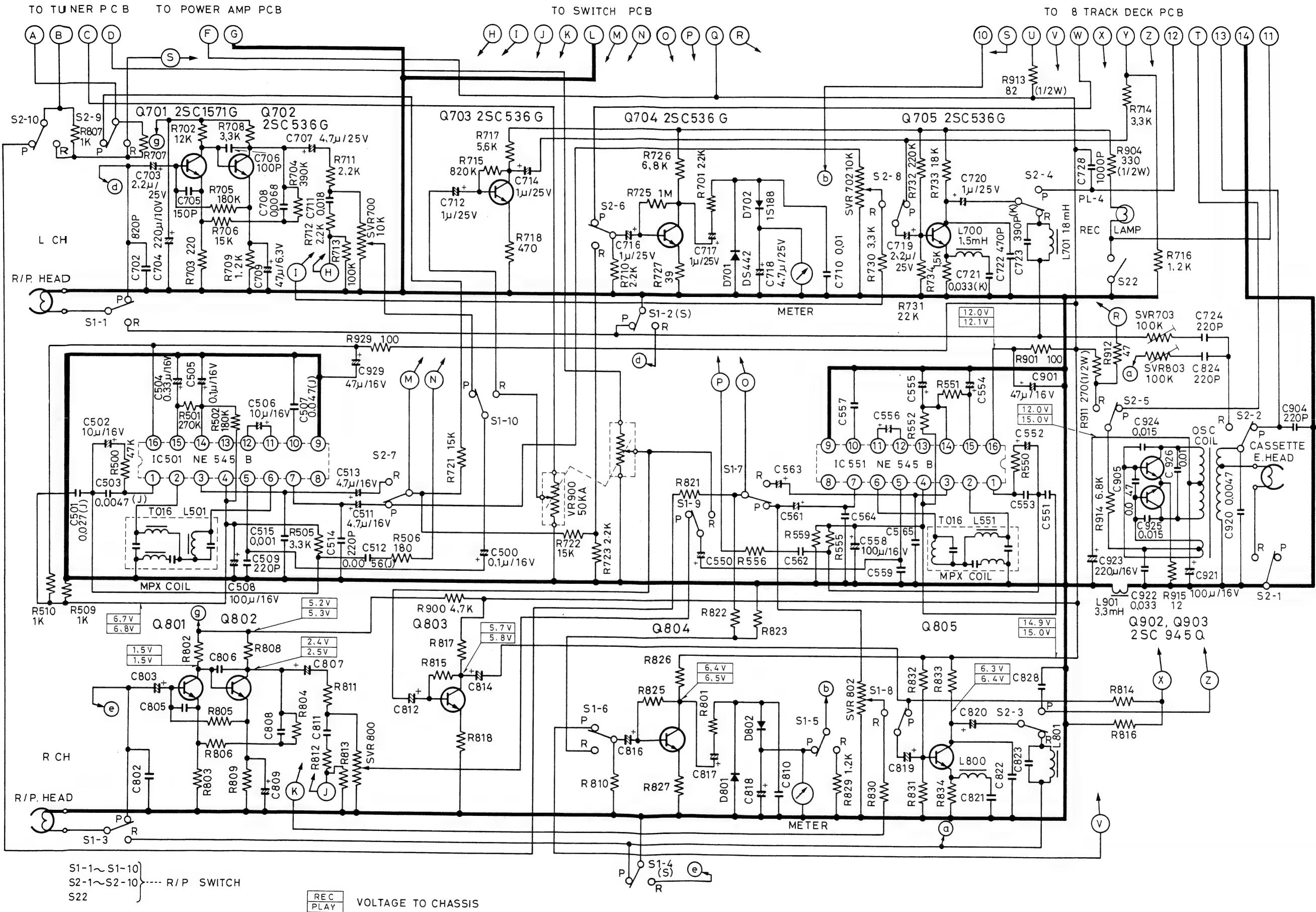
## SCHEMATIC DIAGRAM



WIRING DIAGRAM



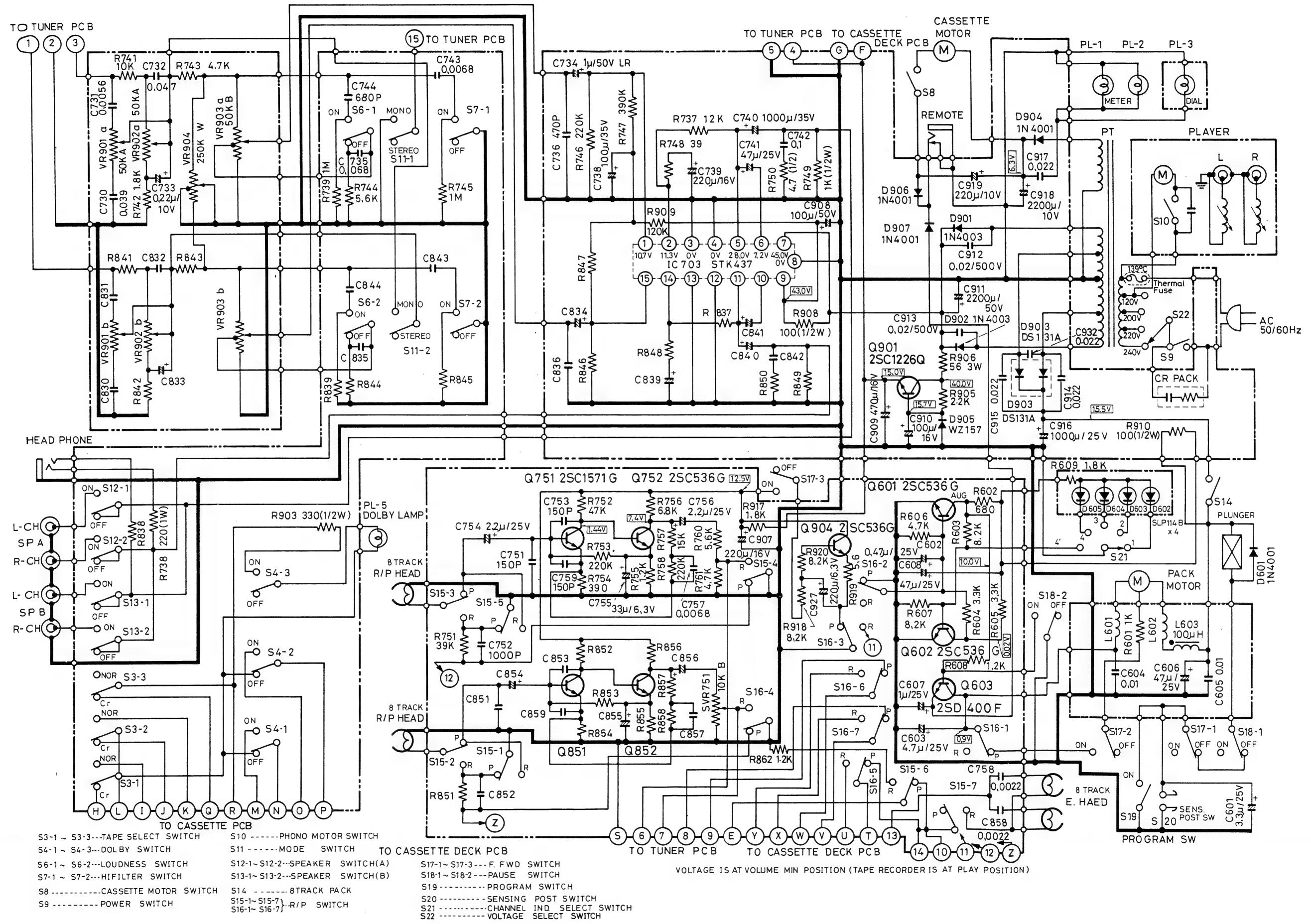
## **SCHEMATIC DIAGRAM**



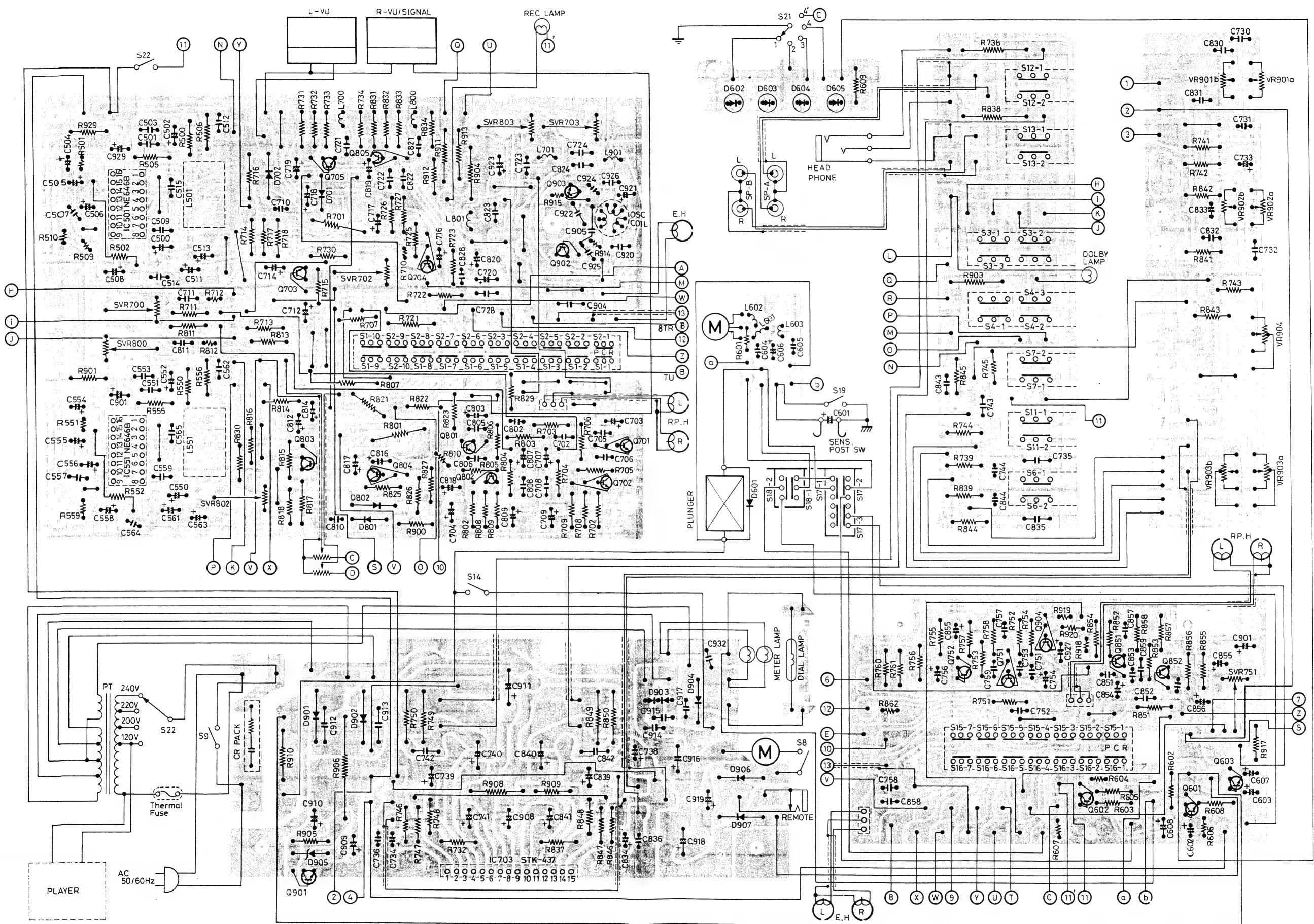
S1-1~S1-10  
S2-1~S2-10  
S22

**VOLTAGE TO CHASSIS**

## **SCHEMATIC DIAGRAM**



## **WIRING DIAGRAM**



## NOTICE OF CHANGE:

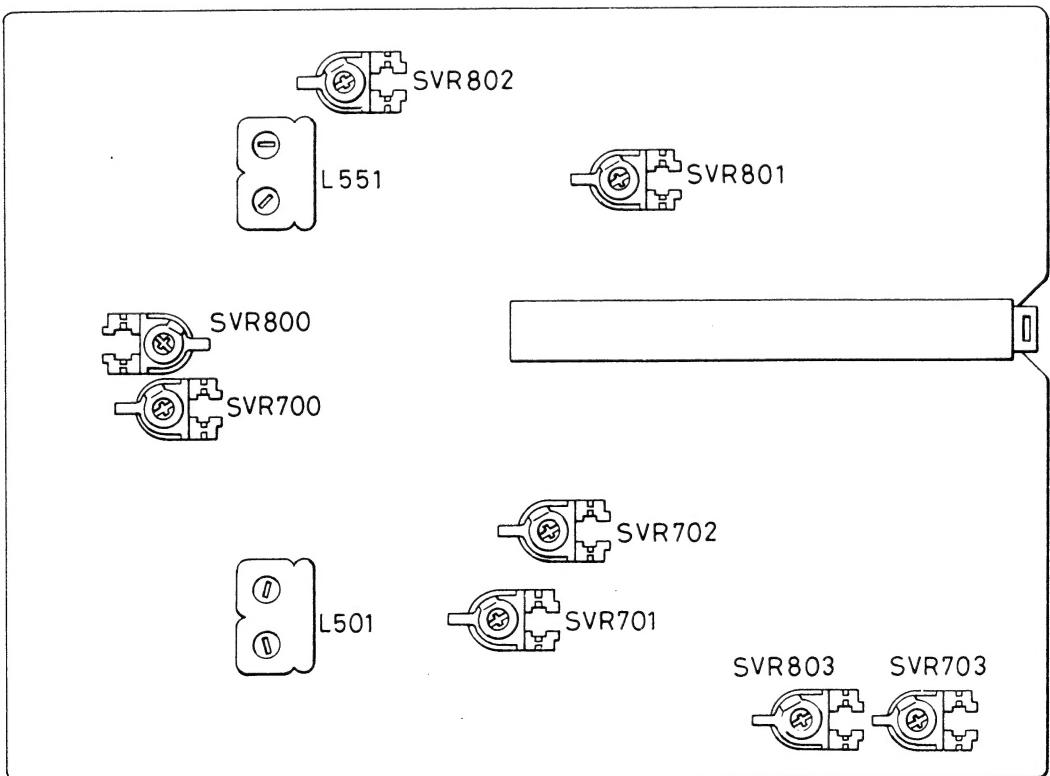
SVR701 and SVR801 have been eliminated from the AMP circuit board in the latest production units, and R756 and R856 have been used in place of SVR701 and SVR801. The table below lists up difference of components used between the old and new AMP circuit boards. Adjustment procedures for the old AMP circuit are given below. Please refer to page 2 for adjustment procedures of the new AMP circuit.

AMP (with SVR701, SVR801)	AMP (without SVR701, SVR801)
SVR701 (10K ohm), SVR801 (10K ohm)	R701(2.2K), R801(2.2K)

ITEM	TEST TAPE	INPUT TERMINAL	DOLBY SW	TAPE SELECT SW	ADJUSTMENT METHOD
R/P Head Azimuth	VTT-657	R/P Head	OFF	NORMAL	Adjust so that output level of L-ch and R-ch be maximum. Measure at test point output.
Playback Gain	MTT-150 DOLBY TAPE	R/P head	OFF	Normal	Adjust SVR 700, 800 until output of test points (TP-H, -E) becomes $580 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch.
METER & REC/PLAY Frequency	TMT6100	AUX -6 dB ↓ -26 dB	OFF	NORMAL	Impress input of 1 kHz (-6 dB) into AUX, set in REC mode. Adjust REC level control until test point output at this time becomes $420 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch. Next, with the meter pointer adjusted by SVR 701, 801 to indicate "OVU" and the input level set to -26 dB, record and play back signals of 1 kHz and 8 kHz. Adjust SVR 703, 803, so that output of 8 kHz be 0 to +1 dB provided that of 1 kHz is 0 dB.
REC/PLAY Output	TMT6100	AUX -6 dB	OFF	NORMAL	Adjust REC level control until test point output in REC mode becomes $420 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch. Record and play back. Then adjust SVR 702, 802 until this record/playback output becomes $420 \text{ mV} \pm 1 \text{ dB}$ .

NOTE: Test point outputs are mentioned in the parts layout drawing. Measure at these test points.

## PARTS LOCATION



## NOTICE OF CHANGE:

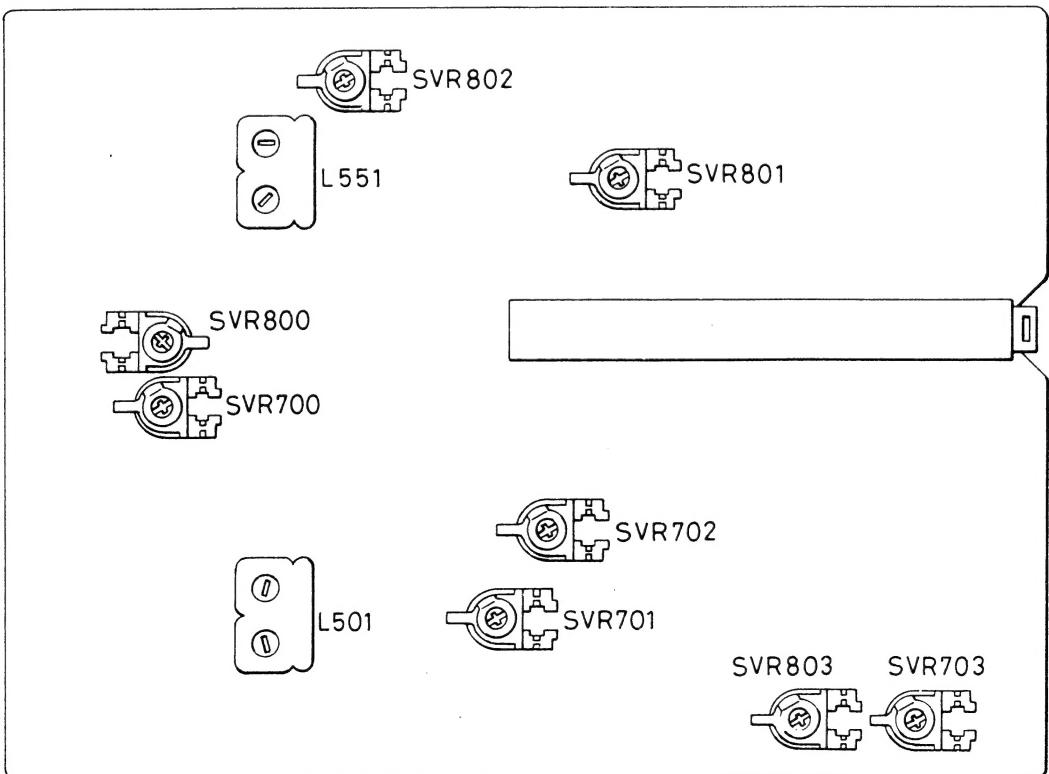
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AMP (with SVR701, SVR801)	AMP (without SVR701, SVR801)
SVR701 (10K ohm), SVR801 (10K ohm)	R701(2.2K), R801(2.2K)

ITEM	TEST TAPE	INPUT TERMINAL	DOLBY SW	TAPE SELECT SW	ADJUSTMENT METHOD
R/P Head Azimuth	VTT-657	R/P Head	OFF	NORMAL	Adjust so that output level of L-ch and R-ch be maximum. Measure at test point output.
Playback Gain	MTT-150 DOLBY TAPE	R/P head	OFF	Normal	Adjust SVR 700, 800 until output of test points (TP-H, -E) becomes $580 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch.
METER & REC/PLAY Frequency	TMT6100	AUX $-6 \text{ dB}$ $\downarrow$ $-26 \text{ dB}$	OFF	NORMAL	Impress input of $1 \text{ kHz} (-6 \text{ dB})$ into AUX, set in REC mode. Adjust REC level control until test point output at this time becomes $420 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch. Next, with the meter pointer adjusted by SVR 701, 801 to indicate "OVU" and the input level set to $-26 \text{ dB}$ , record and play back signals of $1 \text{ kHz}$ and $8 \text{ kHz}$ . Adjust SVR 703, 803, so that output of $8 \text{ kHz}$ be $0$ to $+1 \text{ dB}$ provided that of $1 \text{ kHz}$ is $0 \text{ dB}$ .
REC/PLAY Output	TMT6100	AUX $-6 \text{ dB}$	OFF	NORMAL	Adjust REC level control until test point output in REC mode becomes $420 \text{ mV} \pm 0.5 \text{ dB}$ in both L-ch and R-ch. Record and play back. Then adjust SVR 702, 802 until this record/playback output becomes $420 \text{ mV} \pm 1 \text{ dB}$ .

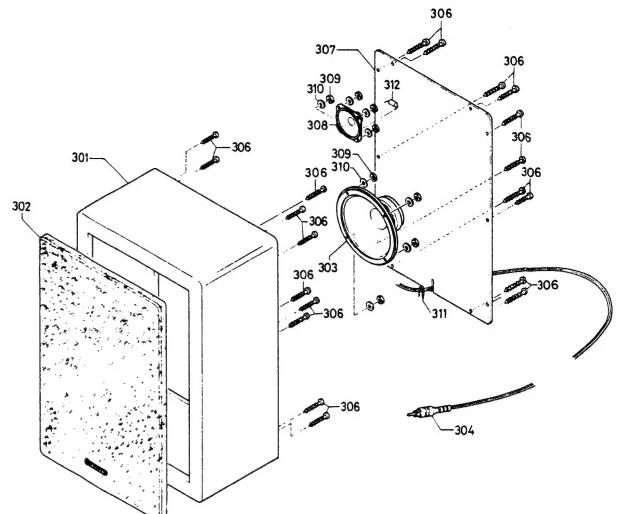
NOTE: Test point outputs are mentioned in the parts layout drawing. Measure at these test points.

## PARTS LOCATION



## PARTS LIST & EXPLODED VIEW (SPEAKER BOX)\_

SPEAKER BOX ASSEMBLY (JXT6910K only)			
	141-0-117T-04401	Speaker Box Assembly	2
301	141-2-117T-04400	Speaker Box	2
302	141-0-127T-04000	Baffle Board Ass'y	2
303	4-151T-29500	Speaker 20cm, Woofer	2
304	4-243T-14900	Lead Cord	2
305	141-2-421T-04800	Special Screw, SP Mtg.	16
306		Round Head Wood Screw 3 x 20mm	40
307	141-0-126T-28401	Back Lid Ass'y	2
308	4-151T-23400	Speaker 6.5cm, Tweeter	2
309		Hexagon Nut 3mm	16
310		Washer 3 x 8 x 1mm	16
311	141-6-150T-00500	Staple	2
312		Capacitor 3.3μF (N.P)	2



**SANYO ELECTRIC TRADING CO., LTD.**  
33, Hiyoshi-cho 2-chome, Moriguchi -shi,  
Osaka-fu, 570 JAPAN

# MODIFICATION NOTICE

STEREO MUSIC SYSTEM



JXT 6910 (USA)  
JXT 6910K  
JXT 6910K-5  
JXT 6910HK

Date May 6, 1980 Issued by \_\_\_\_\_

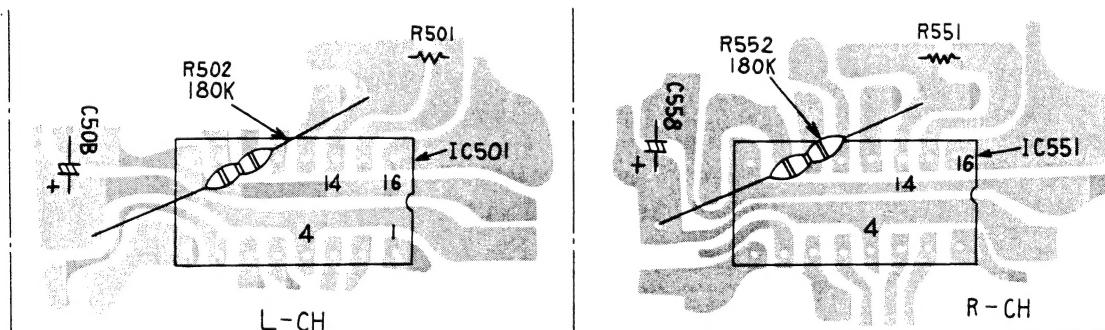
The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

In the Parts List in the Service Manual for Model JXT6910 series, the IC501, 551 of the cassette PCB ass'y are identified as NE454B, which is a missprint for NE545B.

The supply of this IC NE545B has been disabled in the midst of production, and it has been changed to NE646B. As a result of this change, the other parts are modified at the same time as listed below. Since this modification is not distinguished by the serial No. of the set, identify by the name of IC.

Key No.	From	To	Description
IC501, 551	NE545B	→ NE646B	IC
D501, 551	1S188	Not used	Diode
R508, 558	100K ohm	Not used	Carbon Resistor
R503, 553	680K ohm	Not used	Carbon Resistor
R507, 557	180 ohm	Jumper wire	Carbon Resistor
R502, 552	150K ohm	→ 180K ohm	Carbon Resistor
C510, 560	10μF 16V	Not used	Electrolytic Capacitor

1. Abolish R507, 557. Instead, seat the pattern with jumper wire.
2. Install R502, 552 in the positions shown below (on the pattern side), not in the original positions.



INTERCHANGEABLE	NOT INTERCHANGEABLE	Serial No. Chassis No.	Effective from
Q'ty of initial production before modification.		Identification of modified unit.	
<b>REASON FOR MODIFICATION</b>			
A .... Standardization      C .... Improvement of reliability      E .... Miss print      G .... B .... Change of materials      D .... Improvement of performance      F .... Miss register			